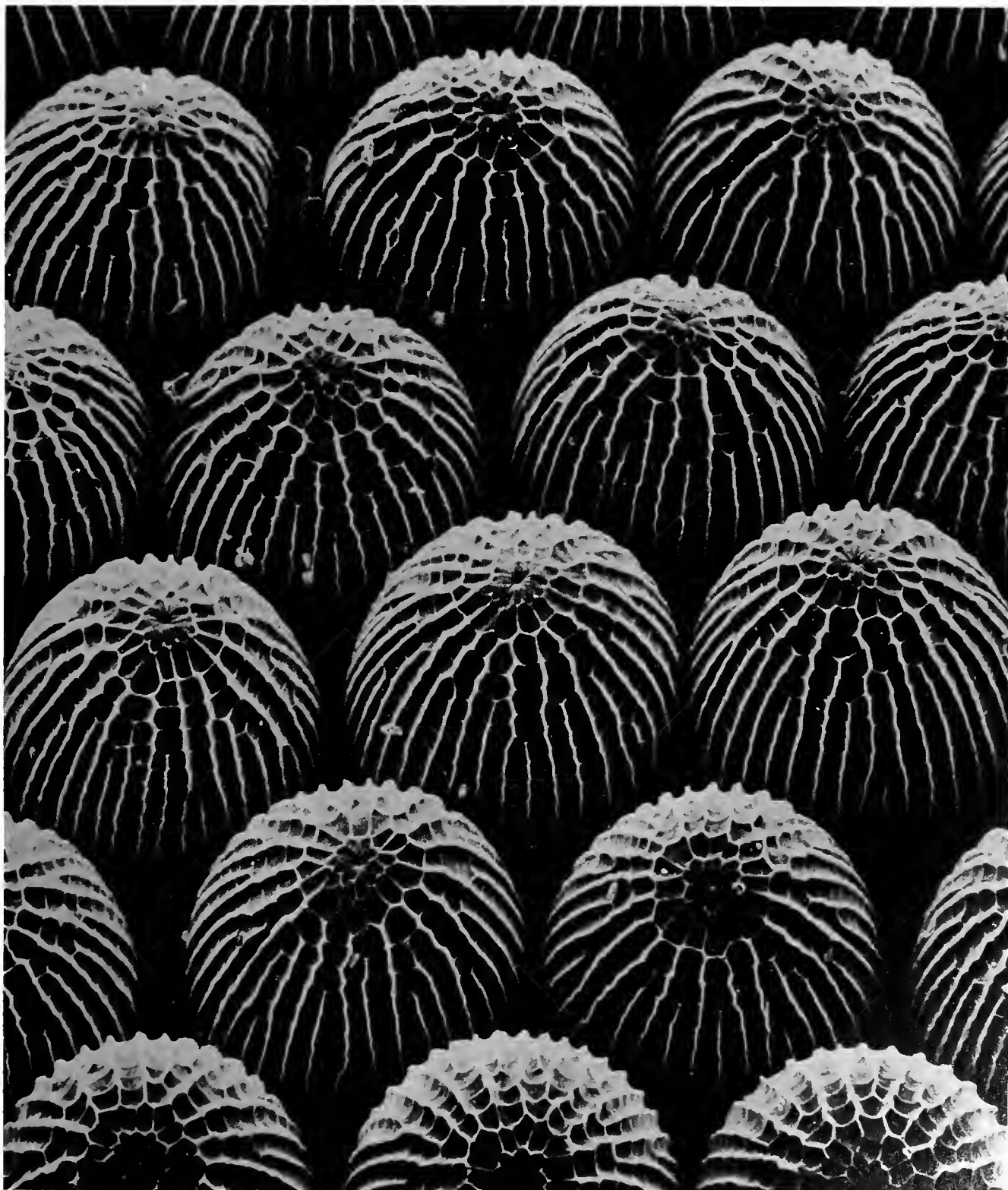


VCU Magazine

Virginia Commonwealth University

Spring 1983



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VCU Magazine

Volume 12, Number 1
Spring 1983

A publication for the alumni and friends of Virginia Commonwealth University

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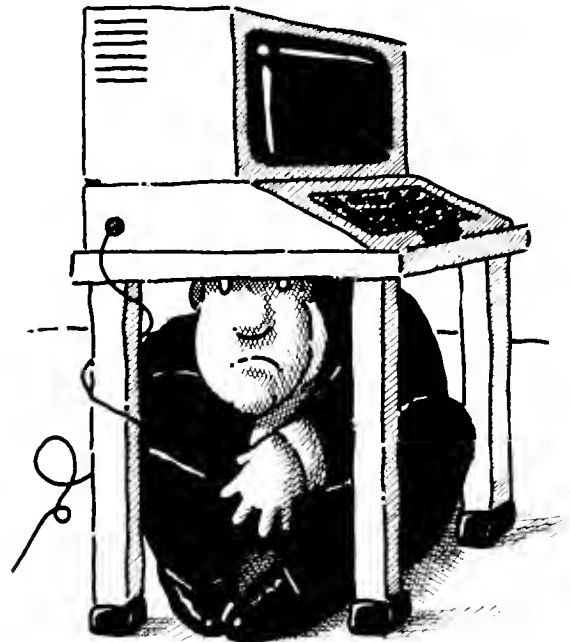
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Each issue of *VCU Magazine* details only a few of the interesting aspects of Virginia Commonwealth University. The opinions expressed in *VCU Magazine* are those of the author and are not necessarily those of VCU.

Located in Virginia's capital city, Richmond, VCU traces its founding date to 1838. Today, VCU is the third largest state-aided university in Virginia and enrolls over 20,000 students on its academic and medical campuses.

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Editor's Note: In the last issue of *VCU Magazine* (Report from the President 1981-82) Katherine Garrison should have been identified as the project director in the article titled "Easing the Pain of Divorce."



VCU PUBLICATIONS

An Equal Opportunity/Affirmative Action University

Computer

By Paul Woody

I was boarding an airplane in Atlanta, my trusty portable computer in my hand. A passenger noticed the sticker on its side that says *90K Memory*.

"That's no toy," he said.

I already knew that. It weighs ten pounds and my arm was three inches longer than when I left home. My ears were stuffed from a flight from New Orleans and I wasn't up for a discussion on *90K Memory*. I smiled, nodded, and hoped he would leave me alone. He did . . . for a while.

The plane landed in Richmond and a colleague was handing my machine to me from the overhead luggage compartment.

"What kind of computer is that?" "No toy" asked.

My colleague explained that we were sportswriters and typed our stories on these machines. Then, with a telephone hookup, we transmitted them to the computer in the office.

"Very nice," "No toy" said with new respect in his voice. "A _____," and he said a word I didn't understand. I assumed it wasn't an insult to my family. "I wasn't kidding when I said *90K* was no toy. I write programs for computers."

He looked at me—why I'll never know.

"What language?" he asked. "FORTRAN, COBOL?"

I realized this was my big moment. Here was my chance to



"Because I carry a portable computer terminal on airplanes, people think I know a lot about computers. Even worse, they think I want to know more."

become a full-fledged member of the computer age. Here was my opportunity to flash all the knowledge I'd gathered from two weeks of computer science class my sophomore year in college.

I looked him in the eye.

"English," I said.

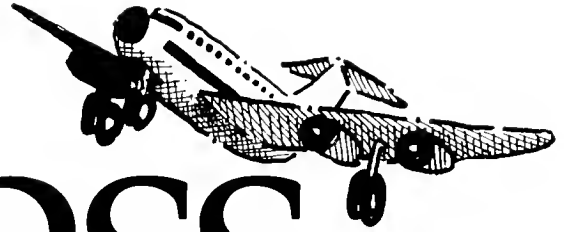
He didn't laugh; he wasn't phased. I think he yearned to show me how lucky I was to have this machine with the *90K Memory*. If I'd asked, he probably would have shown me how to write a program for it.

Because I carry a portable computer terminal on airplanes

and through airports (Atlanta, mainly. It seems impossible to go anywhere in the world without first going through Atlanta.) people have the impression that I know a lot about computers. Even worse, they think I want to know a lot more about computers of every type.

I was sitting in an airline terminal (where else—Atlanta) a month later typing a story on my computer. A man began looking over my shoulder. Etiquette seems passé when computers are involved.

madness



We're all brothers in the computer world, I suppose.

"What kind of computer is that?" he asked.

I gave him the sum of my knowledge about the origin of my machine.

"Atex," I said, and I wasn't even sure of that.

"Got a nephew who sells the Whoosh II system," he said. Then he waited expectantly for me to ask hungrily for all the information available to mankind on the Whoosh II system.

"That's nice," I said and kept typing.

He went away.

Computers, though, are here to stay.

History has recorded the Golden Age, the Industrial Revolution, the Depression and the post-war baby boom. Now, we're in the Computer Age. I may as well be in the Ice Age.

When I was younger I was in a bell choir at church. One day the director decided to let us play without her pointing to each note. I was lost. Every so often, I rang my bell, just in case.

I am even less prepared for computers. I've tried. That computer science class I took for two weeks in college was supposed to last a semester. I knew I was in trouble when I couldn't even draw the little boxes correctly for the flow charts. The instructor sensed the full scope of my capabilities.

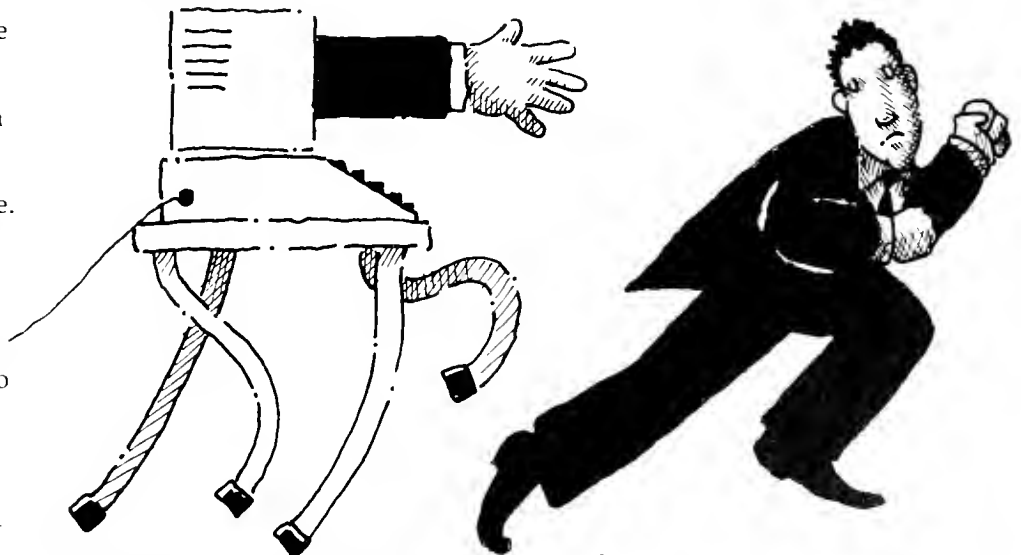
"It's not too late to drop and still get a 'W'," he said one after-

noon after he'd spent a half hour trying to show me the light on the most rudimentary assignment. My intellectual powers have often been questioned, but I can take a hint. The instructor never saw me in his classroom again.

Frankly (and perhaps we should keep this to ourselves), I don't think computers are so wonderful. You can't reason with one. You can't argue with one and if you do, it only shows how childish you are. If you hit one and damage it, you've mortgaged your future earnings. You can't compliment or get on the good side of one by telling one how nice its hair looks or how much you like its shirt and tie. I'm beginning to feel as if I'm all alone in the world.

Friends tell me of their desire to take some computer courses so they'll be familiar with the language. I might be willing to try that, but I can't even understand the course descriptions. Not a bill comes into my house that hasn't first gone through a computer. I can't go to any store that doesn't make me pay at a computer terminal while it takes inventory, checks my credit (and that's when I pay with cash), and, I suspect, investigates my educational background, neighborhood, number of cavities and the color of my socks.

There is at least one insurance company that is putting microcomputers, whatever they may be, into the hands of its salesmen. Can you imagine that? Actuarial



"There is at least one insurance company putting microcomputers, whatever they are, into the hands of its salespeople."

tables I could never grasp or even read were bad enough. Now, I'm going to get calls from a salesman armed with a computer that will probably be able to give me the exact time and date of my expiration. I'll argue and say I don't believe it.

"It's all in the computer, sir," he'll say knowingly.

It's an understatement to say I'm at something of a loss these days. I used to pass a store called Bits and Bytes almost every day. When it first opened, I wondered what it was—a restaurant with a clever name?; a small catalog discount store?; a jewelry store? Then, I read that some computer company had sold something like 25 zillion bytes in just one month and I realized what Bits and Bytes was.

But I still have no idea what a byte is. Is it like a chip? A micro-chip? Even if the answer is yes, that doesn't help a whole lot. I don't know what a computer chip looks like. For a long time I assumed a computer chip was a piece of a computer that had been broken off. I know what a chocolate chip is. I'm familiar with a chip off the old block and a chip on your shoulder. But a computer chip . . . is it larger or smaller than a poker chip?

But that's not all I want to know. What about software? Just how soft is it? Is it squeezably soft, as soft as a baby's bottom, or only as soft as a softball, which we all know isn't very soft at all. And what about computer hardware? Is that a screwdriver with a calculator in the handle or something? And can you straighten out defective hardware with a hammer?

Maybe I'm just jealous. Here's why. Soon, it's going to be very hot. I'm going to come home and the evening's entertainment will be wiping the sweat off my forehead when I'm in bed. Meanwhile, every computer in the world will be sitting in air conditioned comfort. And if the air

conditioning goes off, what happens? The computer is stopped. I wonder what kind of dues you have to pay to be in a union like that?

No one else seems too upset about all this. Everyone wants to interface. They want to interface with the office computer and then get the software that will make interfacing possible with another computer somewhere in Tanzania. In my office, a message sometimes flashes on my VDT screen—"Log off for reboot." It makes me wonder if I'm working for a cobbler. The system goes down, the system comes back up and everyone has to be especially careful during a thunderstorm. If a bolt of lightning hits the wrong place, the world could be brought to a halt.

Some computers are more user-friendly than others. Every night I pray that I won't encounter one that's user-antagonistic. The computer is on-line, unless its down (would a valium help, you think?), but it can be off-line without being down. Never, however, is it off color.

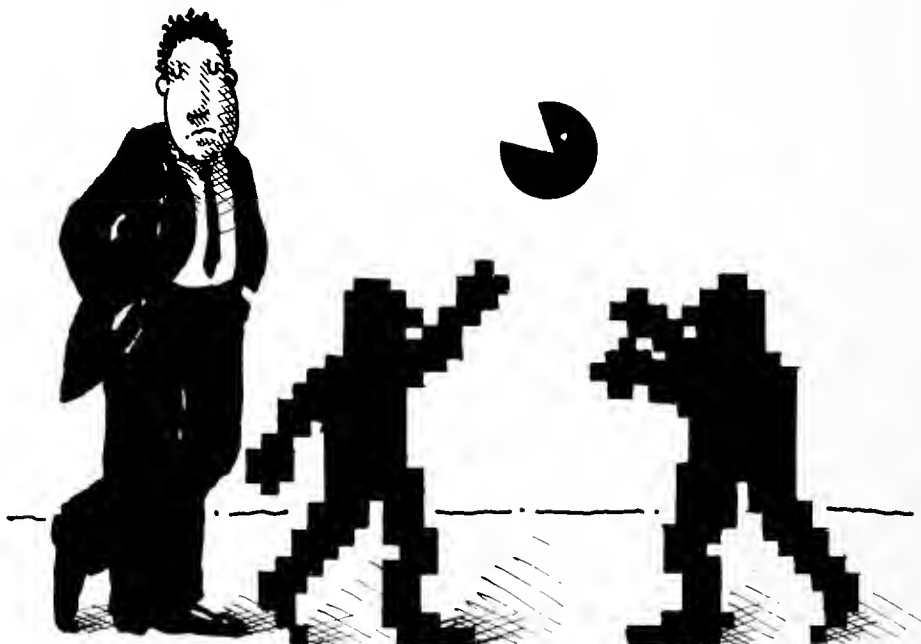
Computers are not just for businesses anymore. They are

virtually in every classroom in every academic discipline. One reason for this, says one classical studies professor, is because students are visually oriented now. It's easier for them to absorb material off a computer screen than read several chapters from a book. Sort of "Laverne and Shirley meet The Iliad and The Odyssey," eh? You'd think a classical studies professor would know better than to say something like that. But, he was probably trying to be user-friendly and find the best way to interface with his students. Who could blame him if he's got the right software.

Then, there was the computer science teacher who had his students writing poetry with the aid of a computer. That's one small step for humanizing the hardware, I guess. But somehow, I don't think T.S. Eliot would have been quite as inspired when he was writing *The Wasteland* if he'd used his personal home computer.

"Let's see, 'April is the cruellest month,' STOP. GO TO. 'breeding lilacs. . . .'

"No, no, that's the wrong stop code."



"I'd much rather my children spend hours inside playing *Cremate the Space Invaders* and *Annihilate the Aliens* than go outside and exercise."

Instead of calling on Ezra Pound for help, Eliot probably would have gone to someplace like Bits and Bytes.

The time will come, says every periodical on every newsstand, when having a personal computer in the home will be a necessity—a chicken in every pot, a computer in every living room. Aside from giving us all access to the equation for the atomic bomb, the world of video games will be at our fingertips.

I can hardly wait.

I'd much rather my children spend hours inside on beautiful spring days playing *Cremate the Space Invaders* and *Annihilate the Aliens* than go outside and get some exercise. It will be a comfort to know my son is deeply involved in a game of *Ms. Pac-man Meets Donkey Kong* instead of reading *Huckleberry Finn* or classic comics or even Donald Duck comics for that matter.

But before one of those computers comes into my home, I want someone to tell me the meaning of this sentence: "Natural language interfaces have a strong potential to revolutionize the usability of the computer. . . ." That's from a Midwest university's research magazine—and they say we talk funny in the South.

I don't want to give the impression that I think computers are totally useless. Where would the Division of Motor Vehicles be without its computer? Why, then, do I still have to wait a half hour to get my license renewed? Where would banks be without computers? Why is it then, with all the time and money saved by a computer, my bank wants to hit me with a \$5 service charge every month?

Thanks to computerized mailing lists, not a day passes that my mailbox is empty. I can't tell you about all the recent opportunities I've had to purchase vacation



"Well kid, you're just going to have to face the fact that your father never learned to interface."

homes in the Southeast. In moments of fancy, my magazine subscriptions have sometimes been ordered in the name of a pet cat. One cat, now deceased, still gets invitations from Charlton Heston to join the American Film Institute. The same cat regularly receives subscription offers (half-price, at least) from some of the most prestigious publications in the world. He would be flattered, I'm sure, to know so many computers think so highly of him.

There's a television commercial that used to run where a farmer goes into town to get a computer lesson. After the most fascinating, valuable, and potentially rewarding day of his life, he looks at the smiling computer salesman and says, "I think my cows are going to like this."

For years, I have secretly hoped he would take his Cathode Ray Terminal out to the barn and that a Guernsey would kick in the screen.

Maybe I'm just an old-fashioned guy. I'd kind of like my kids to learn to add without the aid of a pocket-size calculator. I

know Isaac Newton didn't do too bad with gravity just by taking a break under an apple tree one day. Thomas Edison didn't have a TRX99619XKE personal pocket computer on hand when the first light bulb flashed on.

Don't go by me, though. I'm just one computer illiterate casting my lance at the vast windmill of information systems. Before too long a home computer will probably reside at my address. My son, now three years old, will scoff at my ignorance of the machine.

"Get with it," he'll say. "You're making us the laughingstock of the neighborhood."

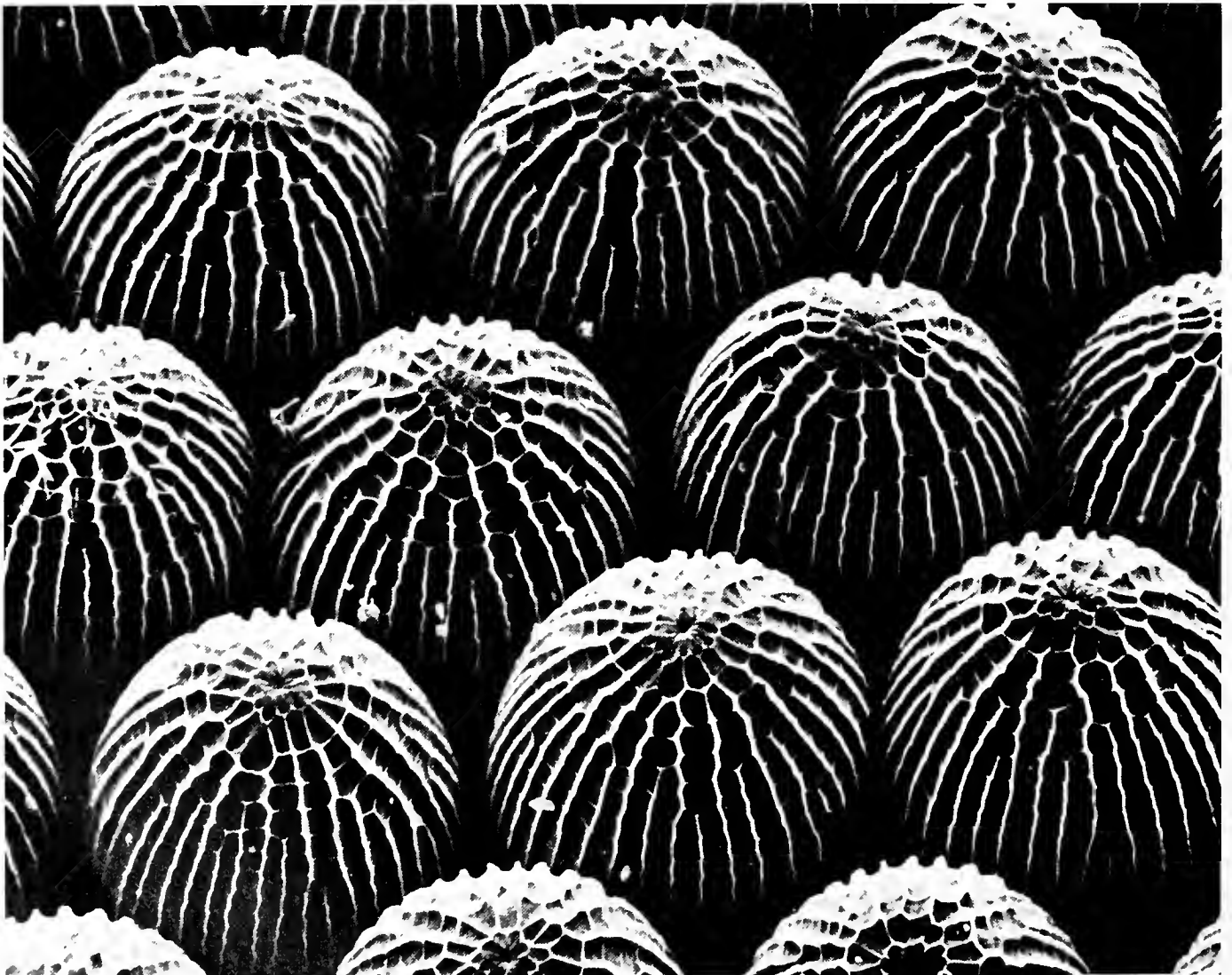
"Well, kid," I'll reply, "you're just going to have to face the fact that your father never learned to interface." ☸

Paul Woody (B.A. English, 1975, M.A. 1982) is a former editor of VCU Magazine. Now a sports writer with the Richmond News-Leader, Woody makes use of a computer every day in preparing his articles.

Illustration by Scott Wright

Exploring inner space

By Laurel Bennett



Insect eggs on a leaf of an apple tree magnified 100 times

It is a scene that Jules Verne and Steven Spielberg would relish: shimmering, futuristic shapes, tangled, subterranean jungles, and gigantic terrestrial insects. Pictures of life on earth that outrival the most prolific imaginations of Hollywood's special-effects creators.

The elaborate machines capable of producing such magical and mysterious kingdoms are electron microscopes. Under their electronic eye a minute section of the human tongue, magnified 200 times, becomes a wild-growing garden. Three single strands of hair on its surface appear as spiky and fleshy vegetation; a miniscule taste bud is transformed into a mutant cabbage. The lining of the bronchial area seems like a rocky carpet on a lunar landscape, and the head of an ant, enlarged 500 times, resembles some colossal monster.

Fantastic voyages into such minute worlds of living organisms are taken every day in the university's Departments of Pathology and Anatomy. The microscopes, used primarily in the diagnosis of disease and in research, enable VCU's physicians to magnify the interior structures of single cells up to 50,000 times their actual size.

Two types of electron microscopes, scanning and transmission, are used at the university, each of which serves a different purpose.

To the layman's eye, the three-dimensional pictures taken by the scanning microscope afford the more spectacular views. However, since this microscope produces only surface pictures, its use in diagnosing many diseases is limited.

VCU's forensic pathologists make use of the scanning microscope to examine evidence in rape cases, and they are often called upon to trace the origins of severe burns. With a special attachment



Face of a black ant magnified 500 times

to the scope, they can determine whether a person has been struck by lightning or has been electrocuted.

A far wider range of uses in medicine is available with the transmission microscope.

Today, most diagnostic work on liver and kidney disease, tumors, and organs is performed with the transmission microscope. The university's pathology laboratories, under the direction of Dr. W. J. S. Still, professor of pathology, have become the regional headquarters for analyzing such tissues and specimens.

"For proper diagnosis, particularly in renal disease, the scopes are essential," said Still, who added that all graduate pathologists at the university are now trained in their use.

The electron microscope works in a manner similar to a conventional microscope. However, with the electron microscopes a stream of electrons replaces light and the image is viewed on a screen rather than through an eyepiece. The machines do not resemble a conventional microscope and are

about the size of a large office desk. A newer type recently developed is about two stories high.

In the transmission electron microscope, electrons bombard a subject, pass through the material, and are received on the other side of a fluorescent screen. For the scanning microscope, the electrons bounce off the specimen and are received by a disc and displayed on a television screen.

Scientists in the pathology and anatomy departments are doing research which would be impossible with an ordinary light microscope. Still and his assistant have examined the interior lining of arteries. By looking at the surface of these walls, magnified thousands of times, they have discovered that certain kinds of fat apparently produce a substance which clings to passing cells and causes them to adhere to the arterial wall lining. This process can cause the artery to swell or become too thick and may inhibit

proper blood circulation, a condition contributing to the high incidence of heart attacks and stroke.

Still explained that researchers have been able to link the production of some fatty acids and other fats, and thus the clinging agent, to a variety of activities that at first seem unrelated. Such arterial thickenings can be produced by hypertension, a meal of steak and potatoes, or excitement.

Using this microscope, extensive diagnostic work and research is also conducted in the university's anatomy department under the chairmanship of Dr. William Jollie. One project is focusing on the process of aging and how an older woman's reproductive

system loses its ability to receive and support an embryo. Another project, funded by the federal government, is examining brain trauma. Jollie's own work focuses on how passive immunities are passed from the mother to the fetus, a process of investigation made possible by the intense and detailed magnification capabilities of these machines.

Both Still and Jollie agree that preparing a specimen for examination is the hardest part of transmission electron microscopy. A special device called an ultramicrotome, a machine resembling a sophisticated bologna slicer, is used to get the fine slices needed for viewing. Small bits of tissue taken from ill patients must be



Surface of a tobacco leaf magnified 450 times

fixed quickly to preserve their original structure and handled correctly the first time because there is seldom a second chance to get another sample.

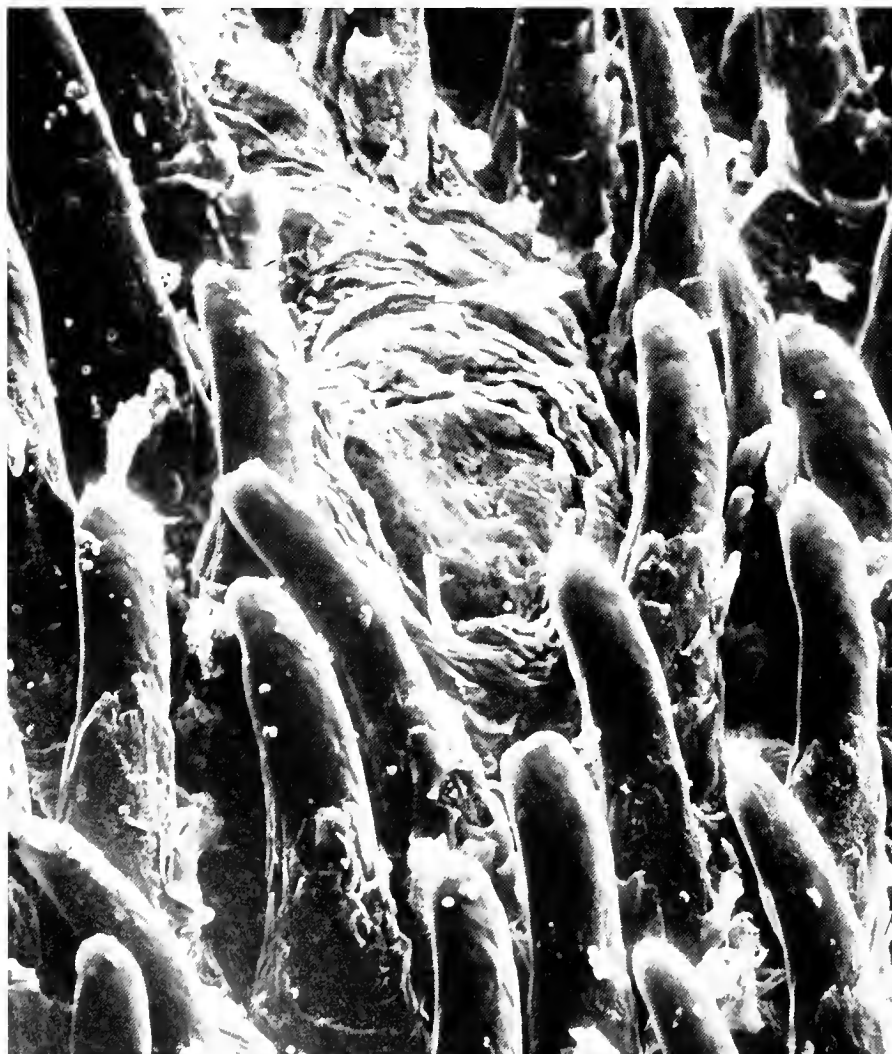
As a challenge to Still, students, and operators of the equipment, researchers will occasionally select delicate and fragile objects to inspect in the scanning microscope. "These produce the strangely beautiful pictures everyone loves," said Still.

Items photographed in the scanning machine include a hair on the leaf of an African violet, the menacing face of a spider, and the leaf of a tobacco plant which has a sac-like part that can be squeezed to produce a scent which, according to Still, "Faberger could never begin to duplicate."

For Still, photographing the details of these specimens has become an art form. Many of his supernatural pictures have been exhibited at the Virginia Museum and at the university's Anderson Gallery. Framed, unearthly plants or a magnified arm of a spider can be found decorating the walls of private homes in the area.

Still, who in the 1950s became fascinated with electron microscopy after viewing a magnified seam of a piece of coal, believes that seeing a cell, a tissue, or a plant through the scope is extremely beautiful and exciting. "Looking at nature, magnified thousands of times, is like seeing minor miracles in action," he said. ☼

Surface of the tongue magnified 450 times





Single hair on a leaf of an African violet magnified 1,250 times



The right to die

By Laurel Bennett

It should have been a routine, no surprises report on Dora Fine (a fictitious name), a cancer patient at MCV Hospitals. During weekly patient rounds a third-year medical student had just finished presenting a list of 142 diagnostic and physical facts about the 85-year-old, critically-ill patient.

A follow-up discussion among the students and staff on the course of her treatment focused on whether or not to put her on a kidney dialysis machine that might unnecessarily prolong a rapidly deteriorating condition.

"How does the patient feel about going on the machine?" asked one of the students from

the back of the room. Looking through his notes the speaker said, "Oh, by the way, yesterday she asked me to kill her." What was an otherwise routine diagnostic discussion among the students and staff quickly became a jarring moral confrontation.

Just when and where patients' preferences to live or die fit into the course of their medical treatment is a serious subject faced by many of today's medical professionals. To help medical students, doctors, and nurses at VCU explore such relevant issues, the university has set up a Committee on Ethics in Health.

Composed of faculty from philosophy, patient counseling,

pharmacology, dentistry, medicine, nursing, and pharmacy and pharmaceuticals, the committee's work focuses on the development of courses in ethics. Curricula that can provide a platform for discussion on the rights of patients, who should be eligible for a new but limited wonder drug, how much to tell a patient, and even what a nurse should do when she observes an alcoholic doctor about to perform surgery are very much in the minds of committee members as they attempt to devise strategies and answers as quickly as the questions are raised.

One of the university's strongest advocates for making the study of medical ethics an integral

part of the curriculum is Dr. Robert Redmon, chairman of the Department of Philosophy and Religious Studies. Although courses in business ethics have been offered at VCU for over 12 years, Redmon said it has only been in the last three or four years that there has been a heightened awareness of medical ethics.

"This is simply due to the fact that modern medicine has become so successful," Redmon explained. "If you look back, say before 1920, your chances of being helped by a physician were equal to your chances of being harmed."

But technology is not the only reason. Describing some of the other forces contributing to the public's awakening, Redmon cited the notion of American consumerism. "Anyone who spends money wants a say in how that money is spent," he said. "And, unfortunately, there is a general decline in the public's faith in many of today's professionals, doctors included."

"Twenty years ago a doctor's word was law," said Redmon. "Today most people want to know everything from risks involved in a routine and complicated operation and what kinds of drugs they are taking, to actively participating in the decision of whether or not to undergo treatment."

Redmon advocates the concept of philosophers-in-residence now employed at quite a few hospitals around the country. As nonmedical personnel these philosophers often sit in on patient review meetings with a hospital's staff of specialists and emphasize the "whys" of a procedure along with physicians' and surgeons' "hows" of the procedure.

How much philosophers and theologians will become involved in the process of applying philosophy to medicine is still unanswered, but Redmon had an opportunity to test its possibilities

this past summer. With the aid of a grant from the Virginia Foundation for the Humanities and Public Policy he became the philosopher-in-residence for the MCVH Cancer Rehabilitation and Continuing Care Program, a division of the Department of Rehabilitation Medicine.

Redmon scheduled ten conferences for the staff, which works exclusively with cancer patients. Among the questions discussed were: Does the physician have responsibility to urge a particular treatment upon a reluctant patient, and should expensive care be given at state expense to the derelict who will drink himself to death before his cancer kills him?

The practical experience Redmon gained during the summer has helped him focus on the primary ethical concerns of patient care. Beginning last year Redmon organized a series of colloquia in bioethics given at lunch time on the MCV Campus. The continuing series is sponsored by the Committee on Ethics in Health and is supported by a grant from the Virginia Foundation for the Humanities and Public Policy and the MCV Foundation. Open to the public and all members of the university's medical community, the programs present speakers from around the country who have a special interest in medical ethics.

Along with a growing number of courses, seminars, and workshops in ethics already in existence in the Schools of Medicine, Allied Health, Pharmacy, and Nursing, and those new courses being developed by the committee, Redmon is confident that exposure to these topics will soon make ethical considerations routine.

Redmon believes that for medical students evaluating patients like Dora Fine and for doctors and health administrators, emphasis on the nonmedical aspects of patients will become as natural a part of their histories as blood pressure and white cell counts. ☸

Laurel Bennett is an editor in the VCU Publications office.

Photography by Dennis McWaters

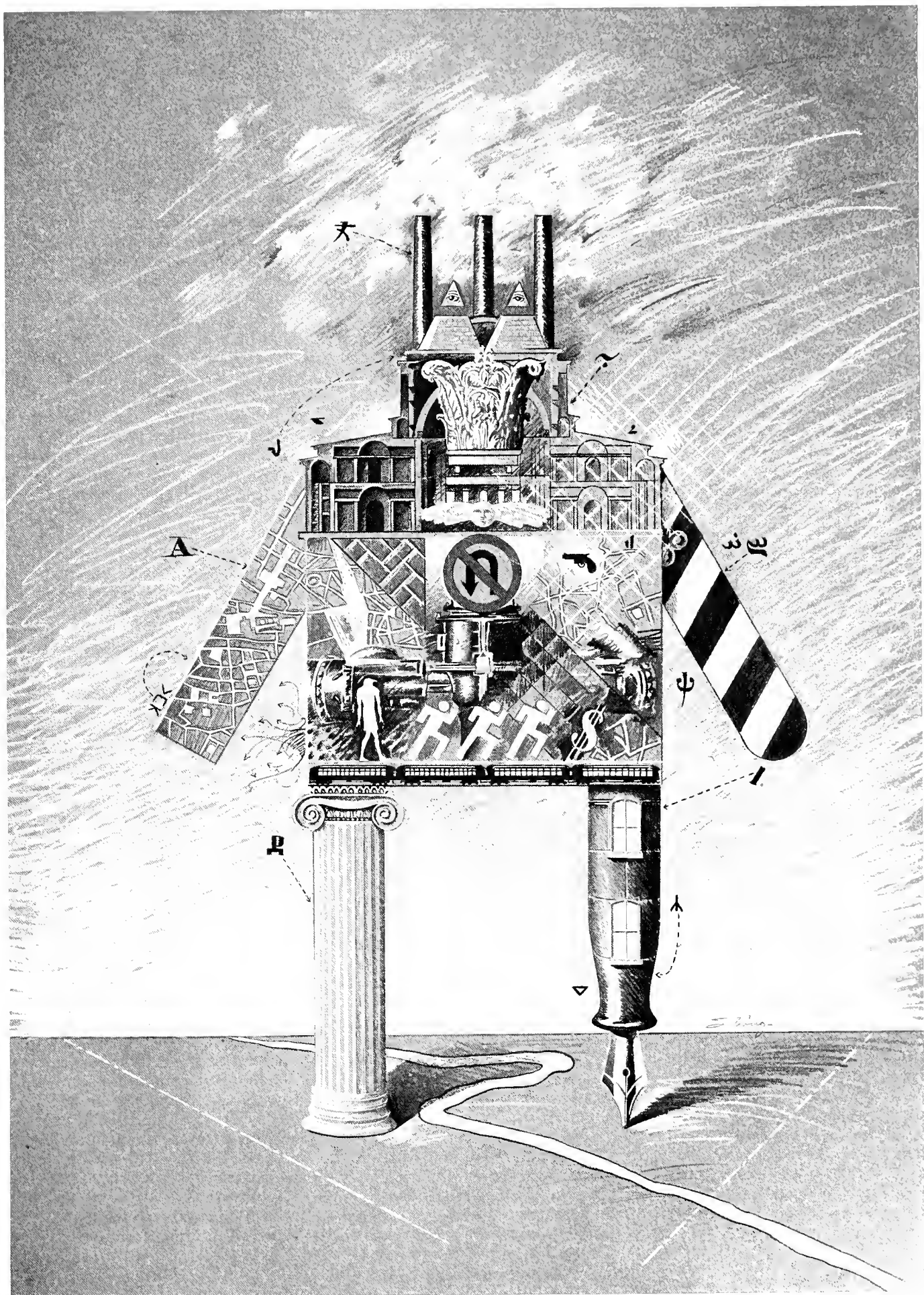
Cities in perspective

Cities have never been predictable. Ever vibrant and changing, cities have often led the urban planners and social scientists studying them to stretch their perspectives to the limit to keep up with the mass migration patterns of the world's exploding populations.

No one urban planner or social scientist, working in isolation, is enough to solve the complexities of global urban centers. In recent years, both urban designers of physical networks and social analysts of human networks have been increasing their cooperative efforts to keep these joint forces progressive and dynamic.

Integrating the city's networks within an interdisciplinary context was the theme of the 31st annual meeting of the Virginia Humanities Conference, "The City in International Perspective: A Humanistic Focus," hosted by VCU. The two-day meeting brought together specialists from Virginia colleges and universities. Panel members included individuals from the areas of history, English, sociology, anthropology, psychology, political science, foreign language, and urban planning.

VCU faculty presented a number of papers at the conference ranging from a humanistic view of modern Cairo to an examination of the tools of urban reinvestment. One interesting paper, "On Learning to Speak Virginian," takes a tongue-in-cheek look at some of the peculiarities in speech found among residents of the state. An edited version of the paper by Dr. John Birmingham, Jr., associate professor of Spanish, follows.



On learning to speak Virginian

By John Birmingham, Jr.

I left my native North Carolina in September of 1959 and took a job teaching English and Spanish at a school in the Shenandoah Valley of Virginia, at the northern end of the Skyline Drive. There I learned to understand when people said *feesh* and *deesh* for *fish* and *dish*, and *poosh* and *boosh* for *push* and *bush*. There I learned that people do not yawn when they are sleepy; they gap. Two years later I came to Richmond to teach Spanish, and here in Richmond I discovered that sleepy people neither yawn nor gap; they yarn. Here I learned to understand *pi-KAHN* for *PEE-kan*, *ont* for *ant*, *hohse* for *house*, and *mohse* for *mouse*.

Remember, I am from North Carolina, where we do not talk about *onts* and uncles any more than we would talk about going to *Stontn* instead of *Stantn*. I have lived in Virginia for nearly 25 years, and there are still many words that I do not pronounce like a native Virginian. That is partly because I choose not to.

I must admit, nevertheless, that the pronunciation *ont* is heard down into northeastern North Carolina. It is likewise true that a good many old-time North Carolinians today trace their ancestry back to colonial Virginia anyway, so that there is not necessarily a great deal of ethnic distinction between the two states. Many of my own ancestors went from Virginia into North Carolina, and some others at least passed

through Virginia on their way down from Maryland, Pennsylvania, and Massachusetts. Before 1776, however, they had settled in various parts of North Carolina, and I suppose they took their way of speaking with them.

Another linguistic phenomenon which I note in Virginia, more than in my native North Carolina, is the total absence (in some people's speech, at least) of the concept of *afternoon*. In Virginia, anything after 12 noon until well into the night is *evening*. My automobile mechanic tells me that my car will be ready *this evening*, and I immediately begin to wonder how late I'm going to have to hang around. He assures me in the next breath, however, that I can pick up my car around 3 pm.

One of my students tells me that she wants to come by my office *this evening* after she gets out of class. Since I know that evening classes do not let out until around quarter to ten, I tell her that I'm sorry but that I'll probably be at home getting ready for bed about that time. She looks at me with the most puzzled expression you can imagine and says, "But I get out of class at 2:15." If people in Virginia do use *afternoon*, they tend to stress it on the first syllable: *AFternoon*.

Yet another phenomenon which took me by surprise in Virginia was the almost complete lack of the expletive phrases *there is*, *there are*, as in "There's a lot to do today." In Virginia, those phrases tend to come out as *It's*: "It's too many cars downtown today"; "It's a McDonald's on the corner if you're hungry."

The North Carolina idiom is *They's*: "They's a good movie at the Bijou"; "They's about five people waiting to see you." One is just as wrong and illogical as the other.

I have long been amused and occasionally alarmed by the Virginia use of the phrase *to have* (something) plus a past participle, or an infinitive, as in *to have something done* or *to have someone die*. I see no grammatical difference

between *He had his house renovated* and *He had his house burglarized*, yet my common sense tells me that the effect of the first is desirable and that the effect of the second is decidedly undesirable.

I have even seen, in a Richmond newspaper, a report that a certain individual had his throat cut, and I can't help wondering why anyone would want to do that. But I know that this phenomenon is by no means limited to Virginia or to the South in general. On "Sesame Street" not long ago I heard that Bob McGrath had had all his furniture stolen. Indeed, the construction appears in English at least as early as the 17th century. William Bradford of the *Mayflower*, writing about the religious persecutions in England which helped to motivate that desperate trek, told of people who "... had their houses beset and watched day and night."

The *Oxford English Dictionary* (OED) records this same construction as far back as the 14th century, so I don't think we Americans should blame ourselves for it. You can find other examples by simply looking up *have* in the OED.

Let me digress for a moment and pick up an expression that I miss hearing up here in Virginia. In North Carolina, when people want to express an action that very nearly happened, either literally or figuratively, they use the construction *liked to have* plus a past participle, such as "I liked to have died laughing" or "He liked to have killed me."

This construction is directly traceable to two legitimate English phrases, and the OED gives both. The first is to be found where *like* is listed as an adjective, the second where the term is listed as a verb. The former is illustrated by several sentences, the first of which dates back to about 1560: "Wherefore that plee would not serve, and so [they] had like to have had judgment without

trial." The second appears in 1426, and one of the best examples of it is from the year 1599, from Shakespeare's *Much Ado About Nothing*, Act V, where Claudio speaks for the seventh time: "We had like to have had our two noses snapped off with two old men without teeth."

The differences between Virginia and North Carolina dialects, however, are not nearly as great as the similarities. In fact, they are remarkably alike when we compare them to other varieties of American English. And both the Virginia and North Carolina dialects are increasingly feeling the inroads of other dialects, particularly those from the North and those which we hear on radio and television.

For instance, 20 years ago in the South we would never have used the words *guy*, *pop*, *soda*, and *soda pop*. *Soda*, of course, has always been quite acceptable in reference to soda water, soda fountain, or ice cream soda, but we would surely never have called Coca-Cola a *soda*, or *pop*, or *soda pop*. Things like Coca-Cola were soft drinks, or just drinks.

We didn't used to use the word *guy* much at all, and just as we thought we knew what it meant (specifically, a man, a boy, a fellow), it has begun to switch meanings on us. Whereas *you guys* used to mean *you fellows*, it now means a mixed group of males and females, or even exclusively females. I remember an episode of a TV show a few years ago in which about five young women were sitting around doing nothing, when one of them spoke up and said, "Hey, you guys. What are you doing tonight?" And in *Parade* magazine for Sunday, January 23, 1983, I saw an article titled "Can a Good Guy Finish First?" and I see, not to my great surprise, that the article is about Sherry Lansing, the first female president of production at 20th Century-Fox Studios in Hollywood.

I sometimes call these things Yankeeisms, and I perceive that another Yankeeism that shows signs of invading the South, perhaps with dire consequences, is the use of the word *done* for *ready* or *finished* or *through*. "Turn off the light when you're done," one of my Northern colleagues says to me. Immediately, I feel like telling him that I'm not done yet, that I'm still cooking. I personally would say, "Turn off the light when you're through" or maybe ". . . when you're finished," although I suppose "you are finished" is just as bad (and just as final) as "you are done."

Perhaps all of us, Northerners and Southerners alike, should say, "when you *have* finished" or "when you *have* done." I can't help recalling a hymn I grew up with. It started like this: "Rise up, O men of God. Have done with lesser things." Day is done, but people *have* done, it seems to me.

I don't know whether the following are Yankeeisms or Westernisms or just what they are, but we have begun to see some interesting (if not quite valid) new meanings for some old and respectable words. These words sound trendy and professional, perhaps, but they lack the ring of authenticity. Besides, they already mean something else in other contexts.

For example, people today are talking and writing about a process called *parenting*. They have taken the noun *parent* and made a verb of it. While there is nothing patently wrong with this shift of function, since English often uses verbs as nouns and vice-versa, in this case it does serve to confuse the issue and rob the language of an older and warmer mode of expression.

The switch is confusing because it defies logic and leads either nowhere or at best to a mistaken impression. It does not follow logically that if a parent parents, a child child. In other words, while perhaps we may engage in *parenting*, we do not speak of *childing*. If a parent parents, then

what does the child do? He or she is a child, obviously, just as the parent is a parent. It is not a matter of doing but of being.

The language is poorer, not richer, for this "new" process of parenting. I personally do not parent; I raise children, or I bring them up, or (in fancier moments) I rear them. I do not parent in the same sense that my children do not child, or that sisters do not sister, or that brothers do not brother. Siblings do not sib.

Even to *father* or to *mother* have come to mean to *parent*, respectively, as a father and a mother, whereas in "the old days" (that is, pre-1960) to *father* meant to *beget*, and to *mother* meant to *comfort and care for*, at least in my own dialect, and I suspect in yours, too. If you will forgive the pun, it is inconceivable to me how a man could father each of his children more than one time. However, these days we are bombarded with such dubious phrases as "effective fathering" which, on the face of it, is contradictory: if a man fathers a child, that act is indeed effective in and of itself and cannot be improved upon. In a like manner, if a woman mothers a child, she runs the very real risk of not mothering but of smothering that child, for the verb to *mother* carries with it the implication of an overly zealous female parent who tries to protect her child from all the dangers of normal life. Yet we hear the phrase "effective mothering," and we must wonder just how effective that kind of protection could possibly be.

While I don't think this next peculiarity is necessarily a Yankeeism, I do think it has a bearing on the discussion at hand. It may be that it is simply a quirk of American English in general, but in Virginia it is extremely strong, although probably no stronger than in other parts of the nation. What I am concerned about here is the lack of concord between

such singular words as *everybody* and the pronouns which refer back to these singular antecedents. We hear "Everybody has *their* own way of doing things," "To each *their* own," and "Nobody can have *their* cake and eat it too." It is no wonder to me that our students have unusual difficulty when they come across similar constructions in foreign languages. They want to say things like "The class converse" and "The family are," instead of "The class converses" and "The family is."

Even the United States Government is apparently not immune to this kind of *non sequitur*. Richard Mitchell (also known as the Underground Grammarian) in his book *Less Than Words Can Say* (Little, Brown and Company, Boston, 1979) quotes a directive from the Department of Transportation as saying, in part, "If a guest becomes intoxicated," you might "take his or her keys and send them home in a taxi." One can't resist wondering if the keys would have a pleasant ride home in a taxi and how, if at all, the keys would pay the fare.

Even people who should know better, people like the Hallmark Cards folks, occasionally come out with similar goofs. I quote from the *Hallmark Date Book* of 1982, in which the advice for August is to "Send the student off in style with posters, plaques, desk accessories, and plenty of Hallmark stationery so they'll be certain to write home!" The antecedent of *they* is clearly not *the student*, and we are therefore treated to the vivid mental image of posters, plaques, desk accessories, and plenty of Hallmark stationery all joyfully and coherently writing home. If E.T. can *phone* home, I guess stationery can *write* home.

Perhaps you will not agree with me, but I have tried to save the best for last. I want to close my tongue-in-cheek criticism by discussing just two more aspects

of Virginia speech, the first of which is universally Southern. Some people insist that our good old Southern *you-all* (or colloquially, *y'all*) is used as a pronoun of singular reference, and I just as vehemently insist that it is not. No native Southerner, to my knowledge, would ever say, "How are *y'all*?" to one person unless he or she meant to inquire about the health of that one person *plus* at least one other person who was absent and probably unnamed.

A pair of poems which I was very fond of when I was growing up in North Carolina supports my case. It seems that both of these poems are anonymous, but they are to be found in a book called *Pitchin' Tar*, subtitled *A Compilation of Facts Concerning Various Things You Will Find in North Carolina*. This compilation was put together by a North Carolina humorist named Carl Goerch (1891-1974), and it was published in Raleigh in 1949. The book contains a poem which has to do with the use of the expression "you-all," or "y'all," as most of us would say. The introduction to the poem goes as follows:

This, we believe, was published originally in the *Winston-Salem Journal* several years ago. It's something which we wish could be published in every Yankee newspaper from Maine to Washington, as well as in all magazines and other periodicals. It has to do with the expression "you-all." Here it is.

Come all of you from other parts,
Both city folks and rural,
And listen while we tell you this:
The word "you-all" is plural.

When we say: "You-all come down,
Or we-all will be lonely,"
We mean a dozen folks, perhaps,
And not one person only.

If I should say to Hiram Jones,
For instance: "You-all's lazy";
Or: "Will you-all lend me your
knife?"
He'd think that I was crazy.

Now if you'd be more sociable
And with us often mingle,
You'd find that on the native tongue,
"You-all" is never single.

The second poem ties into the first one and zeroes in on another peculiarity which I personally have noticed here in Virginia but not in North Carolina. I have always pronounced the name of my home state exactly as I heard it pronounced around me as I was growing up. Here in Virginia, however, I often hear something quite different. Here's what *Pitchin' Tar* says:

The poem on the preceding page is a very good one. So good, as a matter of fact, that we can't help but add another chapter along the same line of thought.

There are many people who just naturally refuse to pronounce the name of our state correctly. This is for their benefit.

Another error people make,
Who come from other parts,
Has often caused us sadness
And greatly grieved our hearts.

While trying to impersonate
A native Southern drawl,
They'll use a term that's even worse
Than that about "you-all."

Our state is proud of its fair name,
We think that none is finer.
We love to linger on the sound,
And say it: "CA-RO-LI-NA!"

A week ago, while on a train,
And seated in the diner,
A man spoke up and said to me:
"Do YOU live in Ca-LIE-na?"

And when I told him he was wrong,
That Carolina was the place,
A look of blank amazement
Appeared upon his face.

"That's what I asked you, sir," he
said
In tones of cold disdain.
'Twas plain to see he thought there
was
An idiot on the train.

I thank y'all for your kind
attention. ☺



Easing pain through hypnosis

By Richard Hardy

Chronic pain has been called America's hidden epidemic. Estimates on the annual price tag for hospital, medical, and other health services associated with lost work productivity for individuals afflicted with chronic pain run from \$40 to \$50 billion. The average chronic victim undergoes three to five operations in a lifetime and is usually dependent on drugs which often fail to relieve pain. Even worse, patients have a 50-50 chance of becoming addicted to these drugs.

Because of the high probability of drug addiction and the obvious appeal of nondrug therapy, various techniques such as hypnosis, biofeedback, meditation, and relaxation exercises are preferred by many persons to moderate pain. All of these techniques have substantial limitations in pain reduction, must be used with selected patients, and often cannot take the place of standard medical treatment.

Since early time primitive cultures have been aware of the power of hypnosis. Priests, witch doctors, and gurus have used hypnosis as part of their curative and deceitful trade practices. In ancient Greece and Egypt patients were hypnotized or were talked to during their sleep and given various positive and curative suggestions. This work was not done in hospitals, but in what were called "sleep temples," where patients went for treatment.

The word hypnosis comes from the Greek word for sleep, *hypnos*. Dr. Friedrich Anton Mesmer, an Austrian physician, first used a system of suggestion and relaxation to control his patients who were said to be under his influence or mesmerized. In addition,

he added electric current in an attempt to improve their conditions.

Hypnosis has been seen as a valid tool in psychotherapy for many years; however, its use as an analgesic in the area of pain research and relief has been of more recent vintage. Through hypnosis, a patient's attention is focused away from pain or symptoms of pain.

Rehabilitation hypnosis has worked effectively for pain management for patients with cancer, migraine headaches, phantom limb syndrome, joint discomfort, cerebral palsy, and kidney dialysis. Hypnosis is also used extensively by dentists.

Essentially, hypnosis is a high level of concentration on one subject at a time, an altered state of awareness in which patients are able to disassociate themselves through suggestion and concentrate on subjects not associated with their pain or illness. While the ability to concentrate deeply varies, successful work through hypnosis can be done without deep somnambulistic trance. One of the early mistakes which Sigmund Freud made in his interpretation of hypnosis was that only deep trance could be effective in the treatment of his patients.

Individuals with pain who are undergoing hypnosis are given suggestions and imagine themselves involved in some event or activity disassociated from the area of pain. Extensive visual imagery is often developed after patients are taught relaxation so they may, in effect, become active participants in their own pain control. If patients are dealing with pain associated with a disease or illness, they may be guided through visual imagery or fantasy so they can imagine active, militant forces working on their behalf to suppress the illness.

Enjoyable disassociative experiences can be used to suppress the

perception of pain. A trip to the beach in which the patient becomes totally engrossed in the perceived sensual experiences is an example. Adding imagery to this activity can help patients take an even more active part in disassociating themselves from pain.

Post-hypnotic suggestion has also been found helpful in pain management. Through this procedure the operator suggests to patients in trance that the pain will decrease, and they will be able to disassociate themselves from the pain or leave part of it behind. This approach is useful in managing pain and shows that individuals have some control over their pain. Most professionals involved in pain management through hypnosis teach their patients self-hypnosis so that patients' positive suggestions can be used at any time they choose.

While many people feel that an individual must be relaxed to be hypnotized, this is not necessarily true. A person can be frightened into hypnosis. This fact becomes clearer when one remembers the definition of hypnosis—intense concentration on one subject at a time. Therefore persons can negatively hypnotize themselves into thinking totally about pain. The job of the therapist is to reduce any such problem and reverse it so patients can learn to modify or divert thoughts and thereby change the impact of pain.

While hypnosis is not the answer for all patients suffering chronic pain, it provides an alternative for selected patients. Used appropriately, it will continue to help bring relief to some of the more than 65 million Americans who must endure the debilitating effects of pain on a daily basis. ☸

Richard Hardy, Ed.D., is chairman of the Department of Rehabilitation Counseling.

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A research first

A Survey Research Laboratory (SRL) intended to provide public opinion and survey research services to organizations functioning in the public interest has begun operation at the university.

Director J. Sherwood Williams said the laboratory expects to serve educational institutions, agencies at all levels of government, and non-profit community service groups. Its staff will conduct scientific planning, research design, and analysis.

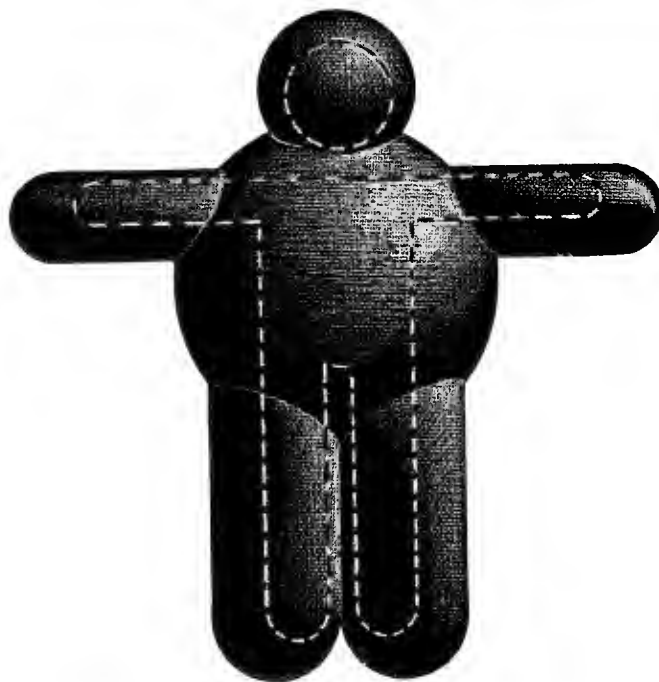
According to Williams, survey research can be used to acquire citizens' viewpoints, assess client or employee satisfaction, evaluate public services, determine needs of special groups such as crime victims, assess community life quality, and obtain the perceptions of specific populations such as income groups. Williams believes that the laboratory is the first of its kind in Virginia. Most states have at least one university offering services of the kind the new facility will provide, he said.

To date, activities undertaken by laboratory personnel include an exploration of student views and surveys on drug use, firearms ownership, and psychosomatic illness.

Survey Research Laboratory services are provided on a fee-for-service basis, he stated. Clients may contract for any or all available resources such as data collection, computer analysis, graphics, consultation on survey problems, advice on sampling procedures, help with data base development, report preparation, and other assistance.

Since SRL is affiliated with VCU, a nonprofit institution, charges are based on incurred costs, including personnel, equipment use, supplies, services, and overhead. Williams said the organization attempts to keep costs at a minimum while providing professional service of high quality.

Organizations or individuals seeking further information may write Williams at the VCU Survey Research Laboratory, 312 Shafer Street, Richmond VA 23284, or telephone (804) 257-1026.



A matter of fat

Scientists are cautiously proceeding in the evaluation of a new method of removing unsightly excess fat with the help of an instrument resembling a small vacuum cleaner.

About the diameter of a ballpoint pen, the foot-long metal tube sucks up fat cells beneath the skin through an incision that requires just one stitch to close. The procedure appears to be simple and superior to the usual methods of surgical fat removal, and forms of the operation have been used on hundreds of patients in Europe within the past few years.

A United States study group sponsored by the American Society of Plastic and Reconstructive Surgeons recently traveled to Switzerland and France to evaluate versions of the procedure for potential use in this country. Most members of the team were surprised to find that the procedures do appear to work well, according to team member Dr. I. Kelman Cohen, chairman of the university's Division of Plastic Surgery.

However, says Cohen, enough medical questions still surround the process that U.S. physicians should approach the method with care and caution. "The greatest hazard," he says, "is that it may be overused

and abused. My greatest fear is that if it's not done cautiously, a potentially good technique could fall into disrepute."

The fat-sucking procedure considered by Cohen to have the most promise is one developed by Dr. Yves-Gerard Illouz, a French plastic surgeon, in the late 1970s. Before his innovation, other plastic surgeons used sharp metal tubes connected to vacuum sources that cut as they were guided through the fat beneath the skin. This method led to potential problems with the development of a seroma, or collection of fluid, in the skin pocket or indentations of the skin over the area from which the fat was vacuumed.

Rather than using the sharp-tipped suction probe, Illouz designed a blunt-tipped probe with a hole near the tip through which the cells could be vacuumed. Following incision and the injection of a saline solution, Illouz inserts the probe and the small blood vessels extending through the fatty tissue are pushed aside by the blunt tip and left intact.

According to Cohen, the Illouz instrument leaves tunnels through a given area, rather than removing all the fat, and honeycombed soft

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tissue remains. By leaving this supporting structure beneath the skin, potential complications appear to be reduced.

Cohen and other team members watched Illouz perform his version of the procedure and returned to the U.S. with Illouz instruments and plans to conduct limited evaluations of the technique.

In a statement recently issued by the American Society of Plastic and Reconstructive Surgeons, the group says the procedure is "suitable for certain carefully selected patients with minimal to moderate deformities that cannot be corrected by restrictive dieting." It also stated that the procedure is not to be considered a weight loss substitute or a cure for obesity and that possible long-term complications have not yet been researched.

A first in pediatrics

Fifty doctors at the university contributed their expertise to "Pediatrics," the first pediatric textbook written at the university. The textbook was recently published by Churchill Livingstone, which has publishing houses in New York, Edinburgh, London, and Melbourne.

Dr. Harold Maurer, chairman and professor of VCU's Department of Pediatrics, edited the book, which will be distributed worldwide for potential use by students across the country and in foreign countries.

Maurer said the book was written to meet the needs of students, housestaff, and practitioners in learning or reviewing the basic clinical material of pediatrics. Its primary focus is on important and common clinical problems and practical management.

Alzheimer's awards

Two university scientists have been awarded the first grants from the Alzheimer's and Related Diseases Research Award Fund.

Dr. Lindon Eaves, distinguished professor of human genetics in the School of Basic Sciences, was

awarded a \$5,000 grant for a project to evaluate the possibility of genetic transmission of senile and presenile disorders with emphasis on disease of the Alzheimer's type.

Dr. Elizabeth Harkins, assistant professor of health administration in the School of Allied Health Professions, who is also associated with the university's Gerontology Program, was granted another \$5,000 for a follow-up project on a group of state residents identified in a 1979 study as being at high risk for such diseases. The project will study the degree of mortality or institutionalization among members of the group.

Alzheimer's disease is recognized as the most common cause of senility in persons over age 65. It is a progressive degeneration of the brain cells and has been found to be the fourth leading cause of death in the United States.

The award fund, which sets a national precedent for state-supported research grants for such diseases, was established by the General Assembly last spring. It is administered by the Virginia Center on Aging at VCU.

Awards totaling not more than \$10,000 annually are approved by a committee of representatives of the scientific and medical community and the general public. Its members are from localities throughout Virginia.

A special technical service review committee of distinguished scientists from across the nation reviews proposals for their technical merit. Its reviews are used by the awards committee as criteria for approving the grants.

Honoring top faculty

A convocation honoring outstanding VCU faculty members was held in the fall at the university's Performing Arts Center.

The faculty awards convocation began a new tradition of annually honoring exceptional teaching, research, and service of faculty members. Dr. Marino Martinez-Carrion, professor and chairman of the Department of Biochemistry, was

given the University Award of Excellence for exceptional achievement in teaching, research, and service.

Dr. Thomas Reinders, associate professor of pharmacy, was recognized for distinguished achievement in teaching. Dr. Alexandre Fabiato, professor of physiology, was honored for distinguished achievement in research, and Dr. Pratip Raychowdhury, professor of mathematical sciences, was cited for distinguished achievement in service.

Each recipient was given a monetary award as well as an original glass sculpture created by Kent Ipsen, professor of crafts.

Guest speaker for the convocation was Dr. Harold M. Hyman, the William P. Hobby Professor of History at Rice University in Houston. Hyman, who currently serves as the Meyer Visiting Professor of Legal History at New York University Law School, spoke on "America's Cities: Orphans of the 1787 Constitution."

President Edmund Ackell said, "The contributions of the first distinguished faculty awards recipients have been immeasurable and have greatly enhanced the university. The four individuals honored are exemplary of the spirit of dedication and excellence toward which all of the university's more than 2,000 faculty members strive."

Teaching youth right from wrong

The James Branch Cabell Library has acquired the papers of Richmond civic leader Ernest M. Gunzburg. The papers document Gunzburg's community involvement and his development of "Your Life: Today and Tomorrow," a program aimed at steering young people from a life of crime.

Gunsburg, a former member of the Metropolitan Richmond Chamber of Commerce board of directors, spent five years coordinating and implementing the program, which nine inmates at the Virginia penitentiary proposed to him.

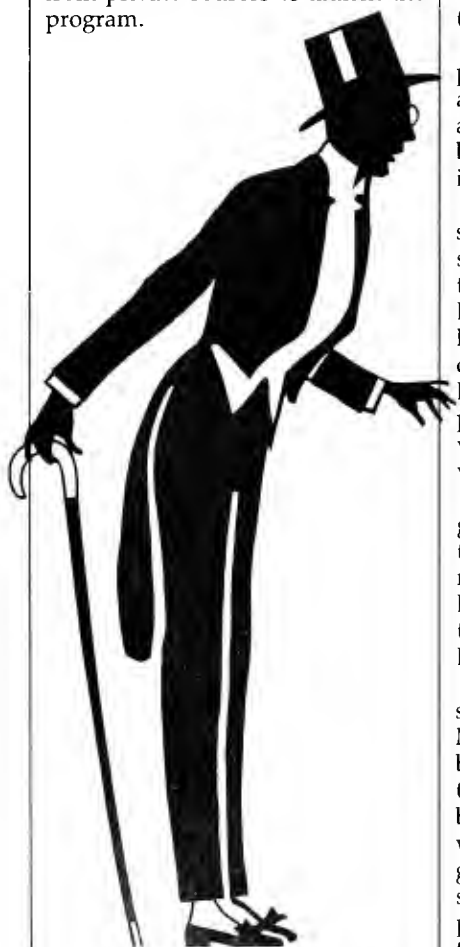
A native of Mainz, Germany, Gunsburg was an active volunteer at the penitentiary when the inmates approached him with their

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idea. The program consists of tapes made by 12 inmates from the penitentiary and the Women's Correction Center in Goochland. The tapes were coordinated with other materials and presented to students in schools in Chesterfield, Powhatan, and Goochland Counties. Since then Henrico County schools have also taken part in the program.

John Oehler, director of continuing education and field services for VCU's School of Education, supervised the program. About 70 counselors from the three school systems were trained to use the teaching materials.

In addition to coordinating the tapings, Gunzburg raised \$35,000 from private sources to launch the program.



Men About Town

Richmond area businessmen, government officials, university administrators, faculty, and doctors were featured models at the tenth

annual "Men About Town," a fashion show sponsored by the VCU/ MCV Hospitals Auxiliary.

"Champions of Causes" was the theme of this year's show held in downtown Richmond's Miller and Rhoads Tea Room. Sixteen male models participated in the event.

Funds raised by "Men About Town" are used to purchase equipment for MCV Hospitals.

Coping with chemotherapy

Alopecia or hair loss can be one of the more devastating side effects of cancer chemotherapy. Although not life threatening, the loss is traumatic and can cause some patients to refuse chemotherapy treatment.

Doxorubicin is one of the most promising chemotherapeutic agents introduced in the past decade. However, alopecia is known to be a severe side effect and to occur in a large percentage of patients.

Researchers had shown that scalp hypothermia, lowering the scalp temperature by the application of ice, offered protection from hair loss in most patients receiving less than 50 milligrams of doxorubicin. There was no control group, however, so it was possible that patients receiving lower doses would have had less hair loss even without scalp hypothermia.

It was important to evaluate groups of doxorubicin-treated patients who received scalp hypothermia and those who did not. The hypothesis was that patients treated with the "cold cap" would have significantly less hair loss.

In order to test this hypothesis a study has been conducted at the MCV Hospitals Joint Cancer Clinic by unit coordinator Barbara Satterwhite, R.N. Twenty-five patients beginning doxorubicin therapy were randomly assigned into two groups, one group of which had scalp tourniquets and cold caps applied 15 minutes prior to infusion of the drug and continued one hour past infusion. Patients remained on the study until they developed severe hair loss or stopped receiving the drug.

The use of scalp hypothermia resulted in acceptable hair loss in 75 percent of the patients. In 8 percent

of the control group hair loss was acceptable. Those receiving more than 50 milligrams of doxorubicin were at higher risk of hair loss, but hypothermia treatment reduced the side effects in this group so that 57 percent of the patients experienced acceptable hair loss. All patients who received higher dosages of doxorubicin without scalp hypothermia suffered severe hair loss.

Through nursing research there is now significant data to justify the use of scalp hypothermia to prevent alopecia for patients receiving doxorubicin during chemotherapy.

Understanding the handicapped

Living and working with severely handicapped persons requires training and guidance, both of which are provided by the university's Severely Handicapped Community Training Project.

Keeping handicapped individuals out of institutions is the project's main goal, but it also works to prepare members of the community to accept them.

The project, located at VCU's Division of Educational Services, is funded by the U.S. Department of Education. The training opportunities it offers include in-service workshops, program development, and on-site technical assistance.

A director, three full-time staff members, and several consultants are available throughout the year to provide professional training. Project personnel will serve the Richmond metropolitan area through September 1983, after which time they hope to expand the program to serve the entire state.

Open to any individual or group that serves handicapped persons under the age of 22, the project is particularly designed for natural and foster parents, group home and residential counselors and managers, recreation leaders, teachers and classroom aides, social workers, case managers, respite care givers, community leaders and civic organizations, and personnel of health and medical services.

The staff offers instruction and information in the following areas:

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instructional strategies; behavior management; communication methods; domestic, recreation, community, and vocational skills; advocacy and respite care; family training and support groups; support personnel; and physical/motor management.

Other forms of training and types of services include formal classes through VCU's Division of Continuing Studies and Public Service for professionals, parents, and concerned citizens desiring information on school, home, vocational, and community training; program development with staff assistance for design, implementation, and evaluation; and on-site technical assistance in designing educational or behavioral programs for individuals.

A key to coma

Coma, the condition in which a person's eyes are closed and there is no awareness of one's body or of the external world, continues to puzzle medical experts with its complexity and mystery.

Experiments directed by Dr. Ronald Hayes, assistant professor of surgery, seem to indicate certain agents can reverse an experimentally-produced coma. Hayes is quick to point out, however, that these studies represent the early stages of basic research about coma, a subject about which he says "virtually nothing" is known scientifically.

When a particular substance, a compound that exists naturally in the brain, is infused into specific regions deep within a cat's brain, the cat appears comatose. The animal quickly awakens with the injection of another substance that counteracts the effects of the brain's nerve-transmitting substance, acetylcholine. The finding from this procedure is that these tiny regions in the brain, which become highly active when animals go comatose due to injury, can also become activated with the injection of acetylcholine, which induces a comalike state.

The university's Richard Roland Reynolds Neurosurgical Research Laboratories are among the few

currently doing fundamental studies on coma. Investigations of unconsciousness produced by head injuries are being conducted as well as studies of how head injury disabilities might be prevented or better treated. According to Dr. Donald Becker, chairman of the Division of Neurosurgery, 50,000 Americans die annually due to head injuries, and another 50,000 to 60,000 survive their injuries but with varying degrees of disability.

"Coma," says Becker, "is a state of sleepfulness from which you cannot be aroused." Although there are no body movements except for breathing in deep coma, Becker says that contrary to popular belief continuous sleep-like comas rarely last more than several weeks. People who do remain in coma for long periods of time generally have extensive brain damage but the duration of the coma is limited. Either death occurs or, says Becker, the patient may show slight improvement and enter what physicians call the vegetative state. Patients may remain in this condition



for months or years, or they may pass through this stage to recover more fully.

Coma is a result of damage to the brain's central core. University physicians are concentrating on the midbrain portion of the core in their studies. However, says Hayes, finding that certain areas of the brain are activated during coma does not necessarily mean all forms of coma are associated with that mechanism. Researchers will continue to study the effectiveness of various substances in reversing coma induced in a laboratory setting. The experiments will not be tried with humans until considerable further investigations are complete.

"Our animal experiments," explains Hayes, "are directed to investigating whether drugs can reduce the duration of unconsciousness and whether it's good or bad. With such data, we may then try to apply it to humans."

Educating employees

Corporations and government agencies hire people with college degrees for many of their positions, but the employers know that education does not end with graduation day.

Agencies of federal, state, and local governments, and personnel or training offices of 138 private firms sent almost 2,500 of their employees to courses at VCU during the spring 1982 semester.

From A&P to Woolworth, the companies had 1,236 employees enrolled in courses for credit in VCU's School of Business. Government sent 1,248 more. These figures do not reflect enrollments in noncredit short courses and seminars offered by VCU's Management Center and other facilities, where the public and private sectors each sent more than 1,000 students.

One of the VCU's missions is to provide educational services to metropolitan Richmond both within and beyond the traditional framework of set curricula leading to specific degrees. These services include appropriate courses and flexible scheduling to afford corporate and governmental employees scope-broadening, skill-improving opportunities.

Some employees were released from work for portions of the day to permit them to attend classes. Others took courses in the evening.

Among the government jobholders, 106 were federal employees, 954 worked for the state, and 188 were from local government. Among the private firms, 98 seekers of academic credit were from Philip Morris Inc., and 87 were from Vepco.

A wide variety of companies provided VCU courses for their workers and included organizations in

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retailing, manufacturing, banking, hotel operation, transportation, communications, real estate, brokerage, engineering, food service, health care, philanthropy, insurance, and law.

Vacation homes can be taxing

A vacation home can be a source of recreational pleasure for the owner, but it isn't likely to be a great asset as a tax shelter, according to a new publication issued by the Virginia Real Estate Research Center at VCU.

Tax Considerations in Owning Vacation Homes was prepared by Dr. Clarence Dunn, professor of accounting in VCU's School of Business. The research report discusses how expenses can be deducted in regard to vacation homes or other dwelling units that are rented for part of the year and used by the owner on other occasions.

According to Dunn, ownership and rental of vacation homes just is not the potentially favorable tax shelter that existed prior to 1977 because of changes made in the tax laws in 1976.

He says other real estate investments offer superior tax shelter for other earned incomes, and that

purchase or construction of a vacation home can be justified in terms of family enjoyment and potential value appreciation.

"Tax benefits," he concludes, "should be viewed as secondary or as a modest bonus from this form of ownership."

The report was made possible by funding from the Virginia Realtors Foundation. Additional information may be obtained by writing the Virginia Real Estate Research Center at VCU's School of Business, Richmond, VA 23284.

A capital appointment

Anne P. Satterfield (B.S. 1943) has been appointed chair of the 1982-83 VCU Annual Fund by President Edmund Ackell.

Satterfield served as rector of the university's Board of Visitors in 1980-81 and was a member of the board from 1974-1981. She is also a member of the Metropolitan Board of Directors of United Virginia Bank, Executive Board of Richmond Memorial Hospital, and the governor's Economic Advisory Council. Satterfield was president of United Way of Greater Richmond for 1980.

Serving with Satterfield as vice-chairs are Howard M. McCue, Jr. (M.D. 1941) and E. Brooks Bowen (B.S. 1967). McCue recently retired as executive vice president of the Life Insurance Company of Virginia. Co-chairman of the personal gifts division of the United Way of Greater Richmond in 1981, McCue is a former president of the Richmond Heart Association and a former director of the American Heart Association. Bowen, a senior vice-president of personnel for Thalheimer Brothers, Inc., is on the board of directors of the Better Business Bureau and the United Way of Greater Richmond. He is a former president of the Richmond area chapter of the American Society of Personnel Administrators and a former member of the Richmond Urban League.

In announcing the appointment of Satterfield, Ackell emphasized the importance of voluntary gift support, especially the Annual

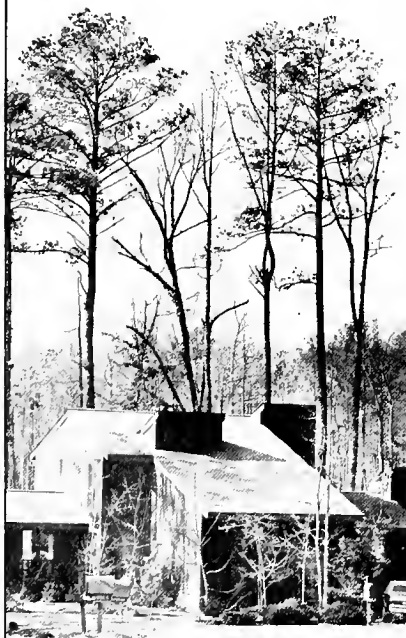


Fund, to the future of VCU. He said it was rare that a state-assisted university became outstanding without significant support from the private sector. The president stated that he expected annual support from alumni and other sources to be an increasingly important resource for VCU in the years ahead.

The Annual Fund seeks expendable gifts each year for the general support of the university's operations on either campus, the schools, libraries, and financial aid. Unrestricted gifts are most prized by the university because they can be used where the needs are greatest and provide flexibility not generally available with tax dollars. On the other hand, the university wishes to encourage alumni and others with deep interests in either campus or the various schools and departments to direct their gifts accordingly.

The university hopes to build a substantial base of donors who give each year to the Annual Fund. This will enable VCU to better plan for use of the resources which become available.

Illustration by Scott Wright



Newsmakers

Dr. Edmund Arnold, professor of mass communications, has been made an honorary life member of the Virginia Press Association.

Charles Austin, director of computing and information, has been elected vice-chairman of the Advisory Council on Educational Computing for Virginia.

Paul Barberini, director of financial aid, has been named chairman-elect of the Safe System Advisory Board of Consultants.

Dr. Lynn Bloom, chairman of the Department of English, has published *Strategic Writing*, a rhetoric book for freshman English students.

Elizabeth Boone, instructor in English, and **Ada Hill**, assistant professor of education, had their monograph *If Maslow Taught Writing: A Way to Look at Motivation in the Composition Classroom* published by the National Writing Project in Berkeley, California.

Dr. James Boykin, Alfred L. Blake Chair professor of real estate, has co-authored a book titled *Basic Income Property Appraisal*.

Dean Broga, assistant professor of radiology, has been appointed to Virginia's Radiation Advisory Board.

Dr. Richard Brookman, associate professor of pediatrics, has been appointed by the Richmond City Council to its Youth Services Commission.

Tim Byrne, assistant professor in University Library Services, has been elected 1982-83 coordinator of the State and Local Documents Taskforce of the Government Documents Roundtable, American Library Association.

Judith Collins, associate professor of nursing, has been awarded a one-year Robert Wood Johnson Health Policy Fellowship in Washington, D.C.

Dr. Samuel Craver, associate professor of education, has been elected president of the South Atlantic Philosophy of Education Society for 1982-84.

George Crutchfield, director, School of Mass Communications, has received the George Mason Award from the Richmond chapter of the Society of Professional Journalists, Sigma Delta Chi.

Dr. George Dintiman, chairman and professor of health and physical education, had a revised edition of his textbook *Health Through Discovery* published by Addison-Wesley Publishing Company. Another book, *Exercise and Weight Control: The Road to Lasting Fitness*, will be released in the fall. He has now written 13 books since joining the university faculty in 1968.

Dr. Maurice Duke, professor of English, had his book, *A Richmond Reader: 1733-1983*, accepted for publication by the University of North Carolina at Chapel Hill Press. Another book, *American Female Writers*, has been accepted for publication by Greenwood Press.

Dr. Leo Dunn, chairman of the Department of Obstetrics and Gynecology, has been appointed president of the American Board of Obstetrics and Gynecology.

Leonard Edloe, Jr., clinical instructor in pharmacy, was named Outstanding Young Man of the Year for 1982 by the Richmond Jaycees.

Dr. Arthur Engel, assistant professor of history, has been selected a visiting fellow of All Souls College, Oxford, for the fall 1983 semester.

Dr. Charles Fair, associate professor of mass communications, has been elected national vice-president of campus chapter affairs for the Society of Professional Journalists, Sigma Delta Chi.

Dr. John Farrar, professor of medicine and chief of staff at the McGuire Veterans Administration Medical Center, has been named president of the American Gastroenterological Association.

Dr. Robert Friedel, chairman of the Department of Psychiatry, has been named acting director of the Virginia Treatment Center for Children.

Dr. Barbara Fuhrmann, associate professor of education, is co-author of *A Practical Handbook for College Teachers* published by Little, Brown, and Company.

Dr. Geraldine Garner, coordinator of the Cooperative Education Program, has received the Distinguished Service Award from the National Vocational Guidance Association.

Dr. Howard Garner, associate professor of education, had a book titled *Teamwork in Programs for Children and Youth* published by Charles C. Thomas Publishers.

Robert Grey, Jr., former assistant professor of business, has been named a commissioner on the Virginia Alcohol Beverage Control Commission.

Dr. Mary Hageman, assistant professor of administration of justice and public safety has co-authored a book, *Community Corrections*, published by Anderson Publishing Company.

Dr. Richard Hardy, chairman of the Department of Rehabilitation Medicine, has been named a fellow of the American Psychological Association.

John Hasty, clinical instructor in pharmacy, received the National Association of Retail Druggists/Parke-Davis Drug Abuse Educator Award for 1982.

John Hawthorne, assistant professor of crafts, has received an Emerging Artist Award from the National Endowment for the Arts.

Newsmakers

Dr. Peggy Hayes, assistant professor of pharmacy and pharmaceuticals, has been appointed chairman of the Task Force on Aftercare Pharmacy Policy and Practice by the Virginia Department of Mental Health and Mental Retardation.

Dr. Chester Hedgepeth, assistant professor of English and coordinator of Afro-American Studies, has been selected editor of the *Encyclopedia of Afro-American Writers and Artists* to be published by the American Library Association.

Dr. Neil Henry, associate professor of mathematical sciences and anthropology/sociology, is associate editor of the *Journal of Educational Statistics*.

James Hooker, assistant professor of administration of justice and public safety, has been appointed editor of the *LAE Journal*, the official publication of the American Criminal Justice Association (Lambda Alpha Epsilon).

Evelyn Jez, instructor in English, has been elected to the Virginia State NOW (National Organization for Women) Policy Council for 1982-83.

Dr. Susan Kennedy, professor of history, has been named a 1982 Hoover Scholar by the Herbert Hoover Presidential Library Association.

Dr. Gary Kielhofner, assistant professor of occupational therapy, has written a book titled *Health Through Occupation: Theory and Practice of Occupational Therapy*.

Dr. Jeanette Kissinger, associate professor of medical-surgical nursing, has been appointed to the new 20-member Governor's Council on Physical Fitness and Sports.

Beth Meixner, assistant professor of radiologic technology, has been elected vice-president of the Virginia Society of Radiologic Technologists.

Dr. Michael Miller, assistant professor of English, has received a Fulbright grant to teach at Silesian University in Sosnowiec, Poland. He will teach linguistics, English, and American English.

Dr. William Miller, professor of pediatrics, has received a five-year \$500,000 Preventive Cardiology Academic Award to extend the curriculum in preventive cardiology at the university.

Stephen Moore, director of employee relations, has been elected vice-president for professional development by the College and University Personnel Association.

Dr. Max Moszer, professor of economics, has been appointed editor of *Business Economics*, the journal of the National Association of Business Economists.

Dr. Walter Nance, chairman of the Department of Human Genetics, has been elected to the board of directors of the American Board of Medical Genetics.

Dr. M. Pinson Neal, Jr., professor of radiology, has been named president of the Southern Medical Association.

Dr. Nancy Osgood, assistant professor of gerontology and sociology, has received a two-year appointment to the National Committee on Vital and Health Statistics.

Dr. LeEtta Pratt, assistant professor of health and physical education, has been named to the American Association for Health Education.

Curtis Ripley, assistant professor of crafts, recently exhibited work at the Barbara Toll Fine Arts Gallery in New York.

Dr. John Salley, vice-president for research and dean of graduate studies, has been named to the state Task Force on Science and Technology. The group is designed to attract new industry to the state and to develop education programs to support future-oriented industries.

Dr. Robert Schneider, assistant dean, School of Social Work, has been appointed to the state advisory board of the Department of Aging. He has also been appointed a member of the board of directors of the Capital Area Agency on Aging.

Dr. David Smith, professor of English, had his comic novel, *Onliness*, published by Louisiana State University Press.

Dr. Howard Sparks, associate vice-president for academic affairs, has been named an Outstanding Adult Educator by the Adult Education Association of Virginia.

Dr. William Spencer, associate professor of pediatrics, has been named president of the Southeastern Allergy Association.

Dr. George Vennart, chairman of the Department of Pathology, has been appointed Southeast Regional Commissioner for the College of American Pathologists' Commission on Laboratory Accreditation.

William Wegman, visiting professor in painting and printmaking, was featured in a *Newsweek* (January 3, 1983) article titled "From Dada to Bowwow: The Vision of Yves Klein, the Wit of William Wegman."

Dr. David White, professor emeritus, School of Mass Communications, has been inducted into the University of Iowa School of Journalism and Mass Communications Hall of Fame.

Alumni Update

1929

Elva Newman (nursing) of Beckley, West Virginia, is employed in general duty in Wyoming General Hospital.

1931

Frank H. Mayfield (M.D.) has been named one of 15 honorary presidents to serve the World Federation of Neurological Societies through its eighth International Congress in 1985. He has also been invited to membership in Xerion, an international organization of neurosurgeons.

1934

Dorothy K. Thompson (nursing) is a member of Holistic Health Centers, Inc., American Holistic Medical Institute, and the Association for Holistic Health.

1935

Hugh S. Edwards (M.D.) has retired after 40 years of service as medical director of Pinecrest Hospital in Beckley, West Virginia.

Reno R. Porter (M.D.) received the Virginia Department of Rehabilitative Services' Roy M. Hoover Award for his work with the disabled.

1937

Christine Thelen (M.D.) has received a Special Recognition Award from the board of directors of the United Way of Wichita and Sedgwick County, Inc.

1938

Lucille Godfrey Quattlebaum (B.F.A. art) recently had several of her paintings and batiks displayed in a one-man show in Bennettsville, South Carolina.

1940

Herman J. Glax (M.D.) has been elected president of the International Rehabilitation Medicine Association for 1982-86. He is an honorary member of the Sociedad Española de Rehabilitación.

1941

Lloyd L. Hobbs (D.D.S.) of Blacksburg, Virginia, a ten-year veteran of the Blacksburg Town Council and a bank chairman, has won the town's Distinguished Citizen Award.

Catherine Ingraham Hastings (B.S. general science) represented VCU at the inauguration of Curtis L. McCray as president of the University of North Florida in October.

1946

Randolph Mott Jackson (M.D., B.S. pharmacy 1946) has been re-elected assistant secretary of the 18,000-member American Society of Anesthesiologists.

Marion Radlin Mirmelstein (B.S. sociology) represented VCU at the inauguration of Alfred L. Hurley as president of North Texas State University in October.

1947

Clem F. Burnett, Jr. (M.D.) is president of the Kentucky Society of Internal Medicine for 1982 and 1983.

Nancy B. Taylor (nursing) is associate chief of nursing education at the Veterans Administration Medical Center in Salem, Virginia.

1948

Sanford L. Lefcoe (D.D.S.) has been appointed to the Virginia Board of Dentistry.

1949

Philip London (M.D.) represented VCU at the inauguration of Peter James Liacouras as president of Temple University in October.

Josephine H. Snead (B.S. social welfare) is working as a curriculum/instruction specialist for the School Board in Fluvanna County, Virginia.

1950

Shirley M. O'Donnol (M.F.A.) has written a book titled *American Costume, 1915-1970: A Source Book for the Stage Costumer*. She is professor emeritus of theatre arts at California State University, Sacramento.

Vashti J. Richardson (B.S. nursing) has been named director of public

health nursing for the Richmond City Health Department.

Viola M. Stoick (physical therapy) is employed as a physical therapist by the Visiting Nurse Association of metro-Detroit.

1951

William J. Artrip (D.D.S.) has been re-elected to the West Virginia House of Delegates.

Eugene H. Eskey, Jr. (D.D.S.) recently received the Simmons Award for outstanding contributions to dentistry during the Tidewater Dental Association's annual meeting.

Thomas H. Holland (B.S. pharmacy) has been appointed to the American College of Apothecaries Committee on Constitution and Bylaws.

1952

David Ware Branch (M.D.) has been elected vice-chairman of the Virginia section of the American College of Obstetricians and Gynecologists for a three-year term.

Nick G. Nicholas (B.S. pharmacy) has been elected chairman of the board of directors of the Halifax Street Business Association and secretary of St. Elpis Greek Orthodox Church in Hopewell, Virginia.

Alice Dooley Overton (B.S. journalism) is managing editor of the *Journal of the American Podiatry Association* in Washington, D.C.

1953

Richard Carlyon (B.F.A. painting, M.F.A. 1963) served as a juror for the 1982 juried exhibition at the Peninsula Fine Arts Center in Newport News, Virginia.

Clifton E. Crandell (D.D.S.) co-authored the recently published *From Quonset Hut to Number 1 and Beyond: A History of the University of North Carolina School of Dentistry*.

William H. Talley, III (B.S. business) has been elected secretary-treasurer of the Richmond chapter of the American Society of Chartered Life Underwriters.

Alumni Update

1954

Herbert R. Collins (B.S. sociology and history) has been named executive director of the National Philatelic Collections at the National Museum of American History.

Paul B. Miller (M.F.A.) is working as a broker for Royal Real Estate, Inc., a major commercial real estate sales organization in Seattle, Washington.

1955

Fred Sammons (certificate, occupational therapy) is president of Fred Sammons, Inc., a company producing self-care products and orthopedic rehabilitation equipment.

1956

Mitchell L. Easter (B.S. business administration) is the director of distribution for Universal Foods Corporation in Whitefish Bay, Wisconsin.

James R. Lewis (B.S. physical therapy) of Asheville, North Carolina, has been elected to the Buncombe County Board of Education.

Fletcher B. Owen, Jr. (Ph.D. pharmacology, M.D. 1959) has been elected an assistant vice-president by A. H. Robins Company in Richmond.

Naomi L. Payne (B.S. business education) has received a 25-year length-of-service award from the U.S. Army Troop Support Agency at Fort Lee, Virginia.

Dr. Rudolph F. Wagner (B.S. psychology) has been promoted to professor of psychology and received tenure at Valdosta State College in Valdosta, Georgia. He is a member of the American Board of Neuropsychology.

1957

William H. Allison (D.D.S.) has been elected president of the Northern Virginia Dental Society.

Dr. Hubert E. Kiser, Jr. (dentistry) has been elected middle director of the Southern Society of Orthodontists.

Percy Wootton (M.D., resident 1960) has been elected an alternate delegate from the Medical Society of Virginia to the American Medical Association.

1958

Arnold M. Hoffman (D.D.S.) has been elected president of the Tidewater Dental Association.

Dr. Bennett A. Malbon (dentistry) has been named to the Board of Trustees of Randolph-Macon College in Ashland, Virginia.

Norman P. Moore (D.D.S.) has been named president-elect of the Tidewater Dental Association.

Samuel H. Treger (B.S. business) has been named manager of business controls by IBM Corporation.

1959

Frances P. McKendrick (B.S. public health nursing, M.S. rehabilitation counseling 1960) represented VCU at the inauguration of Claude H. Rhea as president of Palm Beach Atlantic College in October.

Jackie Williams (M.S. business education) has been elected treasurer of the Richmond-Lee chapter of the National Association of Accountants.

1960

John D. Hutchinson, IV (M.S. rehabilitation counseling) received the Virginia Rehabilitation Association's R.N. Anderson Award in the fall. The honor was made for Anderson's meritorious service to the disabled.

Janice G. Smith (B.F.A. art education) represented VCU at the inauguration of Robert L. Hardesty as president of Southwest Texas State University in September.

1961

E. P. Bednar (B.S. business) has been elected president of the Virginia Association of Homes for Adults.

Margaret Z. Jones (M.D.) holds service appointments at Michigan State University as director of the regional neuromuscular laboratory in the Department of Pathology and as associate director of the laboratory at the clinical center.

1962

Carl F. Emswiler, Jr. (B.S. pharmacy) has been appointed to the American College of Apothecaries Committee on Constitution and Bylaws.

Foster Hayes (B.S. business) has been elected president of the Richmond chapter of the Planning Executives Institute.

James C. Lester (B.S. business) has been named divisional vice-president of the Business and Educational Services Division of the Million Dollar Round Table.

Richard L. Meador (B.S. business) has been elected secretary-treasurer of the Independent Insurance Agents of Virginia.

Howard R. Sherman (B.S. business) has been appointed senior life field representative in Richmond for Harleysville Insurance Companies.

Gari B. Sullivan (B.S. business) has been named president of the Bank of Middlesex.

Elizabeth M. Swinler (B.S. physical therapy) is a physical therapist in private practice in Moundsville, West Virginia.

1963

Margaret T. Core (B.S. applied science) has reached 20 years of service in the Chemical Research division at Philip Morris.

Emmette C. Skinner, Jr. (D.D.S.) has been elected recording secretary of the Tidewater Dental Association.

Charles J. Sweat (M.H.A.) has been named president and a member of the board of directors of Victoria Hospital in Miami.

T. L. Williams (B.S. applied science) has been elected vice-president of the Richmond chapter of the American Society for Metals.

1964

William I. Ivey (B.S. psychology, M.S. 1971) is executive director of the North Central Oklahoma Community Mental Health Service, Inc., in Enid, Oklahoma.

Glenwood E. Padgett (B.S. business management) has been promoted to accounting services director by Virginia Electric and Power Company.

Kenneth P. Shutts (B.S. business management) is president of Service-master Contract Maintenance, Inc.

Alumni Update

James E. Wynn (B.S. pharmacy, Ph.D. pharmaceutical chemistry 1969) has joined the faculty of the Medical University of South Carolina College of Pharmacy as professor and chairman of the newly-created Department of Pharmaceutical Sciences.

1965

Hilton Robinson Almond (M.D.) has been appointed the first medical director of the McGuire Clinic in Richmond.

Dennis T. Burton (B.S. sociology) represented VCU at the inauguration of William James Byron, S. J., as president of Catholic University in November.

Beverly H. Conner (B.S. psychology) is working for the Arabian-American Oil Company in Dhahran, Saudi Arabia.

Charles D. McCall (B.S. business) has joined Wheat, First Securities, Inc. as vice-president and branch manager of the company's Petersburg, Virginia, office.

Bill Mountjoy (B.S. physical education) is head football coach at Deep Creek High School in Chesapeake, Virginia.

Jane Owen Stringer (B.S. nursing) represented VCU at the inauguration of Thomas Vernon Litzenburg, Jr. as president of Salem Academy and College in October.

1966

Katherine P. Garnett (B.F.A. fashion illustration) has been promoted to senior vice-president in the marketing service division of United Virginia Bank.

David E. Jones (B.S. pharmacy, M.S. business 1969) has been named director of the Animal Health Group in the Special Products Division of A. H. Robins Company.

Isabella C. Laude (M.S. rehabilitation counseling) has been named to the board of the Florida Medical Auxiliary.

1967

Edwin E. Smith, Jr. (B.S. pharmacy) of Tappahannock, Virginia, owns and operates Tappahannock Pharmacy and serves as chief of the Volunteer Fire Department.

Milton F. Woody (B.S. education) has been named director of admissions and records by St. Louis Community College.

1968

James E. Bond (B.S. business management) has been named a vice-president by Bank of Virginia.

Phyllis Brown (M.S. rehabilitation counseling) received a Distinguished Alumnae Award from the Westhampton College (University of Richmond) Alumnae Association. She was recognized for her professional achievements which include the founding of the Women's Resource Center at the university.

Don Cirillo (B.F.A. commercial arts and design) recently completed a second film in the Public Broadcasting System's "American Indian Artists" series.

Arthur Glenn (A.S. electronics) has been elected secretary of the Richmond chapter of the International Management Council.

Raymond H. Johnson (B.S. general business) has been named an assistant vice-president by First & Merchants.

Diane Pioro Mack (B.A. history) has been named vice-president and managing partner of Summit/Pensacola, Inc., a public relations and advertising firm.

Thomas W. O'Brien (B.S. general business) has joined Bank of Virginia as a trust officer.

1969

David L. Ballard (B.S. general business) has been promoted to the grade of commander in the U.S. Navy. He is executive officer of the U.S.S. Santa Barbara.

Everett B. Cox (B.S. pharmacy) holds the rank of commander in the Commissioned Corps, U.S. Public Health Service, and has become a certified pharmacist practitioner.

Ernest N. Dixon (A.S. drafting and design) has been named an associate with the firm of Simmons, Rockecharlie and Prince, Inc., consulting engineers.

Joseph M. Essex (B.F.A. communication arts and design) has been elected to Chicago 27, a prestigious Chicago design organization. He is vice-president and design director/

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Important note: If this magazine is addressed to an alumnus who no longer lives at the address printed on the address label, please advise us so that we can correct our records. If you know the person's correct address, we would appreciate that information. Also, if a husband and wife are receiving more than one copy of the magazine, we would like to know so that we can avoid duplicate mailings. Please provide the names of both individuals plus the wife's maiden name, if appropriate.

Alumni Update

USA for Burson-Marsteller, an international advertising and public relations firm.

Stephen R. Grubb (M.D.) has been elected to fellowship in the 54,000-member National Medical Specialty Society.

George L. Grubbs (B.S. retailing) has been named Ashland district manager in the Richmond division office of Safeway Stores Inc.

Paul Gustman (M.D.) has returned to his private practice in pulmonary medicine after completing a second-year pulmonary fellowship at Mt. Sinai Hospital in Miami Beach.

Alvin F. Harris, III (B.S. accounting) has been promoted to assistant vice-president by Bank of Virginia.

John C. Hilderbrand (A.S. air conditioning and refrigeration technology) has been elected president of the Richmond chapter of the American Society of Heating, Refrigeration, and Air Conditioning Engineers.

Patsy J. Hoar (B.S. psychology) has been assigned to the Saluda, Virginia, Counseling Center as an addiction specialist.

Don C. Vaught (B.S. economics) has been named an assistant vice-president by First & Merchants.

Joseph E. Wright, Jr. (A.S. general business, B.S. business management 1978) has been named a vice-president by Dominion Bankshares Corporation.

Robert S. Young (B.S. accounting) has been elected vice-president for administration of the Richmond-Lee chapter of the National Association of Accountants.

1970

Alfred D. Bjelland, executive director of the Maymont Foundation for the past three years, has become general manager of the Fan Garden Shop, Inc. in Richmond.

James M. Bennett (B.F.A. painting and printmaking) has written a textbook on calligraphy. The book is designed in workbook format and covers five basic alphabets.

Joseph M. Brodecki (B.S. psychology, M.S. 1977) has been named chairman of the School of Applied Social Sciences' alumni fundraising

campaign at Case Western Reserve University.

Patricia T. Chappell (B.S. medical technology) operates a business in the Richmond area, Temporary Laboratory Services. She provides lab technicians to hospitals, doctors' offices, and private laboratories.

Joseph Chicurel (D.D.S.) has been elected president of the Virginia Society of Periodontists for 1983.

Barbara H. Dunn (nursing) has been named Nurse of the Year by the National Foundation March of Dimes and the Virginia Nurses Association.

Charles D. Mayer, Jr. (B.S. sociology) has been named director of customer service for the southern district by Virginia Natural Gas, a division of Virginia Electric and Power Company.

Robert E. Murphy, Jr. (B.S. business administration) is the acting branch chief of inventory management in the General Services Administration of the U.S. Government.

Paul F. Pearce (B.S. business administration and management) has been elected secretary-treasurer of the Richmond Association of Life Underwriters.

Linwood R. Robertson (B.S. business administration and management) has been named corporate secretary by Virginia Electric and Power Company.

Donald E. Thomas (B.S. business administration and management) has been appointed an assistant vice-president by Johnson & Higgins of Virginia, Inc., a New York-based insurance firm.

1971

Watkins M. Abbitt, Jr. (B.S. economics) owns a title searching company in Appomattox, Virginia, and teaches part-time at Longwood College in Farmville.

Alan W. Adkins (B.S. accounting) has been elected to the board of directors of the Patrick County office of First National Bank of Martinsville and Henry County in Virginia.

Patricia S. Atiyah (B.S. psychology) is working as a guidance counselor at John F. Kennedy High School in Suffolk, Virginia.

Sterling T. Baldwin (B.S. economics) has been named assistant vice-president to lead the data processing department by Universal Leaf Tobacco Company in Richmond.

K. Norman Campbell (B.S. management) has joined the Bank of Virginia as branch officer and manager of the Westwood branch in Fredericksburg, Virginia.

Robert Ellithorpe (B.M.E. music education) has been named Teacher of the Year in Hanover County, Virginia. He is a music and band director at a county junior high school.

Norman B. Fizette (M.D.) is a clinical associate professor of pathology and associate director of university hospital laboratories for the St. Louis University Medical Center.

George Fugate (B.F.A. communications arts and design) has been named creative director by Redmond, Amundson & Rice Advertising of Virginia Beach.

Ed Maynes, Sr. (B.S. management) is president of Ed Maynes, Sr. Realty, Inc. and Ed Maynes, Sr. Construction, Inc. He is also vice-president of the Virginia chapter of the Real Estate Securities and Syndication Institute.

Jerry G. Overman (B.S. management) is head of the investment services division of Continental Financial Services Company in Richmond.

Alan T. Penn (M.H.A.) has been named an administrator at Lake Hospital of the Palm Beaches in Lake Worth, Florida. He was also elected president of the Florida Association of Private Psychiatric Hospitals.

Randall W. Powell (M.D.) has been inducted into the American Pediatric Surgical Association and the Pacific Association of Pediatric Surgeons.

Susan Shaffer (M.S.W.) is the assistant director of the Mayer Kaplan Jewish Community Center in Skokie, Illinois.

Mitchell B. Smith (M.H.A.) has been installed as a member of the 1982 Humana Management Club for hospital administrators.

1972

John C. Christian, Jr. (B.S. sociology, M.P.A. 1978) has been named manager of pre-audit and compliance in the Department of Accounts, Commonwealth of Virginia. He formerly served as the organization's state accounting systems analyst.

Alumni Update

Rev. Cheryl H. Davidson (B.S. biology education) is a chaplain at Virginia Wesleyan College in the Tidewater area.

Kevin R. Dunne (B.S. management) is employed as administrator of general services for the Virginia Division of Motor Vehicles.

Marion Garber (B.F.A. interior design) had several of her paintings displayed in a one-woman show at Mary Baldwin College's art gallery in September.

M. David Gibbons (M.D.) has been elected to fellowship in the American Academy of Pediatrics.

David Carter Hastings (B.S. accounting) represented First and Merchants National Bank and the American Bankers Association at a meeting with President Reagan to discuss the tax withholding issue and to try and repeal the bill imposing 10 percent withholding tax on interest and dividends. The bill passed in August, after which time Hastings was selected by ABA to serve as chairman of a Task Force on Withholding and Taxpayer Compliance.

John Hilliard (M. M. composition) earned his Ph. D. in music from Cornell University in August.

D. S. Jackson Maynes (M.S.W.) is employed as the unit leader of the East End Mental Health Clinic in St. Thomas, Virgin Islands. She is also on the board of the Women's Resource Center and is vice-president of the Mental Health Association.

Amy Hoffman Mitchell (B.S. nursing) recently received certification in community health nursing from the American Nurses Association.

Patricia Powell (B.F.A. painting and printmaking) has accepted a position as project coordinator for family and adult programs with the Chrysler Museum in Norfolk, Virginia.

N. Robert Rusinko (B.S. business administration) has been promoted to senior vice-president of First National Exchange Bank in Roanoke, Virginia.

Stuart W. Schluckebier (B.S. business administration and management, M.B.A. 1980) has joined Virginia First Savings and Loan Association as assistant to the chief financial officer.

Nancy Fitz Winter (B.S. journalism) has been appointed director of development by Richmond Memorial Hospital.

1973

Janice Arome (B.F.A. sculpture) is operating her own potter's studio in Charlottesville, Virginia.

David A. Garraghty (B.S. administration of justice and public safety, M.S. rehabilitation counseling 1977) has been named warden of the medium security prison in Brunswick County, Virginia.

Julian D. Gilman (B.S. marketing, M.B.A. 1977) has been promoted to assistant vice-president for policy services in the home office division of Peoples Life Insurance Company.

Richard W. Gregory (A.S. information systems, B.S. business administration 1974) has been named a group leader in the programming department by the Bank of Virginia.

Sandra Holland (B.S. journalism) received an award from the Fifth Army for an article she wrote on benefits to civilian employers of guardsmen and reservists.

Dr. Susan L. Vignola (M.S.W.) has been appointed to the State Board of Social Work in Virginia.

Richard T. White (B.S. business administration, M.H.A. 1975) represented VCU at the inauguration of David Adamany as president of Wayne State University in November.

Richard Whitener (B.S. business administration, M.S. business, 1975) has been promoted to senior electronic data processing auditor in comptroller administration by the Burroughs Wellcome Company.

Rev. Donald W. Wilson (B.A. history) has accepted a position as associate minister of the Fredericksburg United Methodist Church in Fredericksburg, Virginia.

1974

Isaac Olujimi Ajijola (B.S. marketing, M.B.A. 1976) has been promoted to project manager for the United Bank of Africa, Ltd.

Jeff Barnes (B.F.A. communication arts and design) has been named to Chicago 27, a prestigious design organization based in Chicago.

W. C. Fowlkes (B.S. business administration) has joined the secondary marketing team of United Guaranty, a mortgage insurance company with headquarters in Greensboro, North Carolina.

D. Courtney Griffin (B.S. administration of justice and public safety, M.S. 1980) is a patrolman with the county police department in Chesterfield County, Virginia.

Samuel C. Hudson (B.F.A.) recently exhibited an acrylic/watercolor in the National All-On-Paper Show 1982 at Terrance Gallery in Palenville, New York.

Bethann Kassman (M.S.W.) has been named vice-president for corporate planning and marketing by Hackensack Medical Center in Hackensack, New Jersey.

Victoria L. Kennedy (B.S. English education) received her M.A. in English/English education in May 1982. She is in her ninth year as a communicative arts instructor in the Richmond public schools.

Donna Lackey-Countess (B.F.A. theatre) has joined the L.A. Connection, an improvisational comedy group.

Chris A. Luppold (B.S. accounting) is partner in the firm of Gehrke, Luppold and Company, CPAs.

Robert G. Martin (B.S. sociology) is working as an adult institution rehabilitation counselor with the Virginia Department of Corrections.

Henry Moriconi (B.S. accounting) has been promoted to assistant vice-president by United Virginia Bank.

Ed P. Phillips, Jr. (B.S. mass communications) has been named a vice-president of Brand Edmonds Bolio, a Richmond advertising firm.

Roger Rothman (M.S.W.) has entered full-time private practice in Annandale, Virginia, and Silver Spring, Maryland.

Robert E. Rude (M.D.) has been elected a fellow in the American College of Physicians.

1975

J. Matthew H. Banner (M.H.A.) has been named assistant vice-president/international for Hospital Corporation of America in London, England.

Charles K. Beck (B.S. accounting) has been named manager of general accounting by Blue Cross and Blue Shield of Virginia.

Wendy F. Bone (M.D.) is a staff physician at the University Health Center, University of Massachusetts, and is a part-time faculty member in family practice at the university's medical center.

Alumni Update

John A. Christopher (B.S. mass communications) has been named city editor of *The Tampa Times*.

Ray A. Fleming (B.S. accounting) has been promoted to vice-president by Central Fidelity Banks, Inc., in Richmond.

Jerry A. Germroth (B.S. pharmacy, M.D. 1979) has joined the medical staff of Shenandoah County Memorial Hospital.

Martha Edwards Hart (B.S. nursing, M.S. 1982) has been named clinical nurse specialist for the Department of Obstetric and Gynecologic Nursing at MCV Hospitals.

James L. Hoover (M.Ed. administration and supervision) has been appointed school superintendent in Northumberland County, Virginia.

Linda J. Reinke (M.S.W.) is included in the 1982 and 1983 editions of *Who's Who of American Women*.

Robert E. Rigsby (M.S. business, certificate in accounting 1977, M.B.A. 1981) is manager of financial and regulatory services for the Virginia Electric and Power Company.

Wendy Winters (B.F.A. fashion design) operates her own business providing public relations services for clients in the fashion industry.

Robert Waymack (B.S. recreation) has been named associate pastor for youth at Myers Park Presbyterian Church in Charlotte, North Carolina.

1977

Neil Duman (B.F.A. crafts) had several of his sculptural pieces of clear glass on display during an exhibition of contemporary blown glass in Staunton, Virginia, in October.

Albert Hunt (B.M.E. music education) will receive his master's in music from the Manhattan School of Music in May.

Barbara T. Immel (M.Ed. administration and supervision) has been named a marketing officer by Colonial Savings and Loan Association in Richmond.

Robert B. Marsh (B.S. business administration and management) has been appointed an assistant vice-president by Johnson & Higgins of Virginia, Inc., a New York-based insurance firm.

Christopher Murray (M.F.A. crafts) has joined the design/development group of Knoll International. As an in-house designer, he is responsible for guiding furniture designs through the development process from concept to production.

Barry L. Musselman (B.S. business administration and management) has been named vice-president of F & M Mortgage Corporation in Richmond.

T. David Pearson (B.S. chemistry) has been appointed chemist by United Technologies' Inmont Corporation.

Mary Rouse Root (B.F.A. art history) earned her master's in fine arts design from George Washington University last year. She is working as an instrument-person with Washington D.C.'s Metro project.

Josephine Santillo (M.S.W.) is working as a field services supervisor in the Department of Human Services in New Jersey.

Dana L. Stone (M.S. rehabilitation counseling) is working as an alcoholism counselor with the Council on Alcoholism and Other Drug Abuse, Inc. in Sitka, Alaska.

Walter W. Tunstall (B.S. psychology, M.S. 1980) has been appointed part-time visiting instructor in psychology at Randolph-Macon College in Ashland, Virginia.

1976

Leonard C. Albro (B.S. accounting) has been named a trust investment officer by First & Merchants.

David Cochran (B.F.A. painting and printmaking) had a collection of his acrylic paintings and pencil drawings on exhibition at Gallery 805 in Fredericksburg, Virginia, in September.

Maggie Dominick (B.S. mass communications) has been named manager of media services for Siddall, Matus & Coughter, Inc., a Richmond-Washington, D.C. advertising and public relations firm.

Melanie Eggleston (B.F.A. crafts) received Best Model in Show honors for a clay sculpture at the Eighth Annual Atlanta Fantasy Fair in August.

Janice Henshaw (B.F.A. painting and printmaking) is teaching ballet for the City of Richmond's Department of Recreation and Parks. She is also an independent accessory designer with Transart Industries.

Eddie L. Jarratt (B.S. accounting) has become a shareholder and officer in the certified public accounting firm of Rothgeb, Miller, Morgan & Company in Roanoke, Virginia.

Robin E. Miller (B.F.A. crafts) is an assistant professor at the Nova Scotia College of Art and Design.

Robert Franklin Saul (M.D.) has joined the staff of Geisinger Medical Center in Danville, Pennsylvania.

Norman R. Tingle, Jr. (B.S. biology) received the Community Service Award from the Tidewater Area Health Educational Center Program in September.

Rings



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Alumni Activities Office
Ring Order Kit
Virginia Commonwealth
University
Richmond, VA 23284

Alumni Update

Thomas S. Wash (A.S. information systems, B.S. 1979) has been named an assistant vice-president by Wheat, First Securities, Inc.

R. Allen West, Jr. (Ph.D. chemistry) has been named director of the trace analysis laboratory by Analytics Laboratory, Inc. of Richmond.

1978

Mary Eaton Bainton (B.S. psychology) represented VCU at the inauguration of William H. Harris as president of Paine College in October.

Lyn M. Benson (M.S.W.) has begun her own business, Bensonhouse of Richmond. Bensonhouse is a guest reservation service offering bed and breakfast accommodations and temporary lodging in Richmond and the surrounding area.

Nicole Bretches (B.S. nursing) is studying law at the Nova Law School in Ft. Lauderdale, Florida.

Shelton M. Coleman (M.B.A.) has joined Richfood Inc. as manager of the data processing operations department.

Antoinette V. Collins (M.S. rehabilitation counseling) has achieved Certified Alcoholism Counselor status and is working as a case manager with the Alcohol Safety Action Program in Virginia.

Steven T. Fisher (B.S. pharmacy) is a district supervisor for Rite Aid Corporation. He is responsible for pharmaceutical operations in 21 stores.

Richard A. Fleming, III (B.S. rehabilitation services) is serving with the 32nd Marine Amphibious unit off the coast of Beirut, Lebanon.

Forrest A. Hall (B.S. general science education) is working as a reference librarian, science bibliographer, and instructor of library science at California State University-Dominquez Hills in Carson, California.

Robert A. Hamilton, Jr. (B.A. history) has been named a personnel officer by First & Merchants.

David R. Hoover (B.F.A. communication arts and design) has been appointed acting manager of the university publications office at Ohio State University.

Allison Jeffrey (B.F.A. art history) was one of three prize winners in the 26th Irene Leache Memorial Juried Exhibition.

Margaret Ellen Jones (B.S. biology) is working as an associate with the consulting firm of Booz, Allen & Hamilton, Inc. in Bethesda, Maryland.

Sherman Luxenburg (M.S. administration and supervision) has been ordained as a rabbi. He teaches grades one, three, and five at the Rudlin Torah Academy in Richmond.

Allen J. McBride (M.D.) has been appointed instructor in family medicine at the Bowman Gray School of Medicine at Wake Forest University.

John Montaigne (B.S. business administration and management) has been named an assistant vice-president by Wheat, First Securities, Inc.

Gail E. Randall (B.S. English) is working as a mid-continent contracts analyst for Petro Lewis Corporation, an oil and production company. She has written a handbook of terminology and contracts used in oil and gas operations for company analysts.

Thomas Y. Savage (B.S. mass communications) has received his Juris Doctor degree from the Washington and Lee School of Law in Lexington, Virginia.

Linwood M. Sawyer (Ph.D. anatomy) has been appointed assistant professor of anatomy at Bowman Gray School of Medicine at Wake Forest University.

Margaret M. Worley (M.Ed. biology education) recently graduated from the Realtors Institute, which is sponsored by the Virginia Association of Realtors in conjunction with the University of Virginia.

1979

John G. Crump, III (M.P.A.) has been named manager of state benefit accounts in the Department of Accounts, Commonwealth of Virginia. He formerly served as the organization's state payroll manager.

Debra K. Diehl (B.S. business administration and management) has joined Whittaker General Medical as market manager of medical systems. She formerly was an assistant vice-president with Data Systems Corporation in Richmond.

Paul E. Furcolow (M.S. business) has been promoted to assistant vice-president for planning and information by the Bank of Virginia.

Monika S. Gutowski (M.S.W.) has joined Ann Duffer Personnel, Inc., in Richmond, as a personnel consultant.

Diana Haworth Helm (B.S. mass communications) has been appointed assistant to the vice-president of Smith Cattleguard Company, a sales/marketing firm.

Daniel E. Karnes (M.S.W.) recently received a certificate of appreciation from the Disabled American Veterans for his volunteer work with the Vietnam Veterans Outreach Program. He is a psychiatric social worker at the Veterans Administration Medical Center in Salem, Virginia.

J. L. Kirby (B.S. science) has been named treasurer of the Richmond chapter of the American Society for Metals.

D. Dale Landon (M.H.A.) has been named administrator of the 52-bed Nautilus Memorial Hospital in Waverly, Tennessee.

Carol A. McCoy (post baccalaureate certificate in accounting) has been appointed tax department manager by the Richmond office of Peat, Marwick, Mitchell & Company.

Patricia Penn (M.Ed. elementary education) has been named Teacher of the Year for middle-level education by the Davis Foundation in Hutchinson, Kansas.

Walton S. Pettit, Jr. (B.S. health care management) is the rector of St. Thomas Episcopal Church in Richmond.

Kathy Pierce (B.F.A. art education) has been appointed resource teacher for elementary gifted students in Ashland, Virginia.

Craig A. Reider (M.S. chemistry) has accepted a position as product development engineer with American Convertors, a division of the American Hospital Supply Corporation.

Kevin Ryan (B.S. mass communications) has received his Juris Doctor degree, cum laude, from the School of Law at Washington and Lee University in Lexington, Virginia.

Anna Larson Shenefield (M.M. music) is pursuing a doctor of musical arts at the University of Maryland.

Alumni Update

1980

Robert V. Crowder, III (M.H.A.) has been named assistant executive director of the Virginia Baptist Hospital in Lynchburg, Virginia.

Jeffrey D. Custer (B.S. health care management) has been named administrator of the Virginia Home.

Joyce A. Duvall (B.S. business administration and management) has been named a commercial loan officer by Central Fidelity Bank in Richmond.

Jane B. Estep (B.G.S. nontraditional studies) has earned her master's degree from the American University, National Training Laboratories, Washington, D.C.

V. Douglas Freeman (B.S. rehabilitation services) has been elected chairman of the Virginia Advisory Council on Substance Abuse Problems.

Pamela L. Hazelgrove (B.S. business administration and management) has been elected president of the Richmond Life and Health Claims Association.

James M. Johnson (M.S. administration of justice and public safety) has been elevated to the 33rd degree in Masonry. He has been a Mason since 1971.

Scott Letien (B.S. business administration and management) has been named head assistant golf professional at Kiawah Island Golf Links, Kiawah Island, South Carolina.

Nancy C. Mendez (B.F.A. art history) is assistant art director of three magazines for the Aircraft Owners and Pilots Association in Washington, D.C. She is also on the part-time faculty at the Maryland College of Art and Design.

Ivy Parsons (M.F.A. sculpture) has been awarded a Fulbright-Hays Fellowship for a year of study in Italy. She will study early Christian-Byzantine church structures, particularly the effects of patterned, colored glass mosaics in combination with their architecture.

Charles Robinson, III (B.S. mass communications) has joined WCPO-TV-9 in Cincinnati as a writer/reporter.

1981

Gregory B. Farmer (M.E. administration and supervision) has been promoted to associate manager-credit by the Farmville Farm Credit Associations in Farmville, Virginia.

Brian E. Gooch (M.H.A.) is serving as project development and administrative officer for the Keyenta Indian Health Center on the Navajo Indian Reservation in Kayenta, Arizona.

Kim S. Harris (B.S. marketing) has been promoted to corporate assistant vice-president for marketing research by Central Fidelity Banks, Inc.

Karen Godmere Kanis (B.S. mass communications) has been named publications editor by the Virginia Nurses' Association.

Janet Lynch (M.S.W.) has been appointed director of the Department of Social Services at Saint Albans Psychiatric Hospital in Radford, Virginia.

Richard P. Slight (M.S. business) has been named marketing research manager by Analytics Laboratory, Inc. of Richmond.

Edward J. Smith (M.S. rehabilitation counseling) has been named director of Developmental Disabilities Services in Suffolk, Virginia.

Renee H. Smith (M.B.A.) is working as a systems engineer with Electronic Data Systems, Inc.

Thomas Struthwolf (B.F.A. communication arts and design) is working as a designer with Photographics Advertising in Fairlawn, New Jersey.

James L. Watkins (B.S. business administration and management) has been named an installment loan officer by Central Fidelity Bank in Richmond.

1982

Dale P. Burgess (M. taxation) has been elected a partner of A. M. Pullen & Company, a certified public accounting firm. He joined the company in 1974.

Mark A. Hierholzer (M.S. rehabilitation counseling) has been named assistant administrator of Poplar Springs Hospital in Petersburg, Virginia.

Larry W. Kidd (M.B.A.) has been named an assistant controller by Universal Leaf Tobacco Company in Richmond.

Judy T. Marsee (B.S. accounting) is working as a comptroller intern in the U.S. Army.

Elissa A. Miller (B.S. business administration and management) has been elected vice-president of the Richmond chapter of the Society for the Advancement of Management.

Thomas W. Sakots (M.A. English/English education) is working as a reading teacher in the Goochland County, Virginia, school system.

David L. Turosak (B.S. business administration and management) has been named administrative manager in the Commercial Property Management Department of Morton G. Thalheimer, Inc., Realtors.

Michael A. Wright (B.S. physical education) is working as a health and physical education teacher in the Goochland County, Virginia, school system.

Lost Alumni

We've lost some alumni and we'd like to find them. If you are any of these persons, or if you know their whereabouts, please contact us so we can update our records.

Thurl E. Andrews (M.D. 1954)
Last known address: Phoenix, Arizona

William H. Edwards, Jr. (B.F.A. communication arts and design, 1975)
Last known address: Greensboro, North Carolina

Sherri C. Shea (B.S. nursing, 1977)
Last known address: Manchester, New Hampshire

Mary Weeks Kirby (M.Ed. elementary education, 1977)
Last known address: Richmond, Virginia

Please make all inquiries to:
Alumni Records Officer
Virginia Commonwealth University
828 West Franklin Street
Richmond, VA 23284
(804) 257-1227

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